



# SYNTHRON

MEMBER OF PROTEX INTERNATIONAL

# PRODUCT list

**ADDITIVES AND RESINS  
FOR LIQUID COATINGS  
PRINTING INKS AND  
POWDER COATINGS**

YOUR ADVANCED SOLUTIONS PARTNER





Protex International is one of the last independent, privately-owned chemical producer groups in France, active for more than 90 years.

Synthron, a member of Protex International Group, is especially dedicated to developing and producing additives for coatings, printing inks, construction materials and composites.

Our headquarters are located in Levallois-Perret (Paris, France) and the Group operates several plants in Château-Renault and Saint-Avold in France, as well as in Brazil, China, Indonesia, Korea, Portugal, Spain, Thailand, UK and USA. Our main R&D centre and applications laboratories are located in Chateau-Renault. We also have coatings applications laboratories in Brazil, China, Korea and Thailand.

Synthron's R&D commitment is to develop solutions to improve coatings performance and quality. We help coatings formulators with a wide range of functionalities and offer the highest quality and innovation, respecting new technology and ecological trends.

Our team is fully committed to helping our customers find the right solution and to participate in their developments, sharing our knowledge and experience.

In this *Product List of Additives for Coatings and Printing Inks* you will find our very extensive range of products providing the formulator with the right additives for their needs. We strive and commit to respect the environment and health with many VOC-free, biocide-free products, and the entire range is PFAS-free.

Synthron's prime objective is to be your preferred additives partner.

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S Suitable for solvent based coatings  
W Suitable for water based coatings

S/W Suitable for solvent and water based coatings  
P Suitable for Powder coatings



# FLOW AND LEVELLING FOR SOLVENT AND SOLVENT-FREE COATINGS



SILICONE-FREE, POLYACRYLIC BASED FOR SOLVENT BORNE AND SOLVENT-FREE COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>MODAREZ® MFP</b>	For solvent and solvent-free systems, medium molecular weight, combining high gloss and degassing properties. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	100 %		Coil coatings, Industrial coatings Packaging coatings, Flooring
S	<b>MODAREZ® MFP-B</b>	For solvent and solvent-free systems, medium molecular weight providing good substrate wetting properties. FDA 175-300, EU/10/2011 (solid matter) and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	100 %		Industrial coatings, Coil coatings Packaging coatings
S	<b>MODAREZ® MFP-C</b>	For solvent and solvent-free systems, low molecular weight, highly compatible for use in clear coatings. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant	100 %		Industrial coatings Wood coatings Automotive coatings OEM, refinish
S	<b>MODAREZ® MFP-E</b>	For solvent and solvent-free systems, High molecular weight, gives high levelling, degassing, substrate wetting, and surface hardness in pigmented systems. FDA 175-300 (solid matter), EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annexe X) listed.	100 %		Industrial coatings, Coil coatings Flooring, Packaging coatings
S	<b>MODAREZ® MFP-FC</b>	For solvent borne systems, especially designed for fast curing stoving systems, especially high-speed line coil coatings. It accelerates defoaming effect and gives high levelling and DOI. FDA 175-300 (Solid matter), EU/10/2011 listed (Solid matter), Swiss Ordinance 817.023.21 (Annexe X) listed.	80 %	Aromatic	Coil coatings Industrial coatings
S	<b>MODAREZ® MFP-G 52 S</b>	Levelling agent for solvent borne systems, low molecular weight, high compatibility and high gloss. FDA 175-300 (Solid matter), EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annexe X) listed.	52 %	Aromatic	Industrial coatings primers Automotive OEM and car repair
S	<b>MODAREZ® MFP-L</b>	For solvent and solvent-free systems, low molecular weight with wide compatibility, for use in clear coats and pigmented systems. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.2 (Annexe X) listed. EU Ecolabel compliant.	100 %		Coil coatings, Industrial coatings Packaging coatings
S	<b>MODAREZ® MFP-L 50 S</b>	Diluted version of MODAREZ® MFP L. FDA 175-300 (solid matter), EU/10/2011 listed (Solid matter). EU Ecolabel compliant.	50 %	Aromatic	Coil coatings, Industrial coatings
S	<b>MODAREZ® MFP-L 50 NL</b>	Diluted version of MODAREZ® MFP L. EU/10/2011 (solid matter) listed Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	50 %	DBE	Coil coatings, Industrial coatings
S	<b>MODAREZ® MFP-ST</b>	Levelling agent for solvent borne industrial coatings, medium molecular weight polyacrylic based, to improve spreading and levelling associated with strong anti-popping and degassing effect in solvent borne stoving systems. EU/10/2011 (solid matter) compliant.	54 %	MPA	Coil coatings Industrial coatings Automotive OEM and refinish
S/W	<b>MODAREZ® IA 696</b> 	VOC-free, silicone and PFAS-free flow and levelling agent with special features to improve inter-layers adhesion. Introduced in the primer, it helps the top-coat to spread properly and improve adhesion on primer, avoiding delaminated issues. It is especially designed for multi-layers high quality coatings. EU Ecolabel compliant.	100 %		Coil coatings, UV/EB systems Automotive OEM, refinish

# FLOW AND LEVELLING FOR SOLVENT AND SOLVENT-FREE AND WATER BORNE COATINGS



REACTIVE SILICONE-FREE POLYACRYLIC BASED FOR SOLVENT AND SOLVENT-FREE COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>MODAREZ® MFA OH</b>	Flow and levelling agent, hydroxyl functional, excellent performance in clear coats, good substrate wetting and degassing properties. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	100 %		Packaging Coatings Industrial coatings
S	<b>MODAREZ® MFA EX</b>	Flow and levelling agent for industrial solvent-based systems, epoxy functional, improves surface hardness. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	100 %		Industrial Coatings UV wood coatings Epoxy based flooring
S	<b>MODAREZ® MFA X</b>	Flow and levelling agent for industrial solvent-free systems, carboxylic functional, improves surface hardness. FDA 175-300, EU/10/2011 (Solid matter) and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	100 %		Industrial coatings, UV / EB systems
REACTIVE SILICONE-FREE POLYACRYLIC BASED FOR SOLVENT AND SOLVENT-FREE COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>MODAREZ® PSL 1000</b>	Ultra Low molecular weight polyester-based levelling and flow agent. Excellent compatibility in solvent-based systems. It reduces craters, orange peel and pinholes. Increases gloss and excellent transparency in clear coat. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Coil Coatings, Packaging coatings, Automotive OEM & refinish, Industrial coatings
S	<b>MODAREZ® PSL 2000</b>	Low molecular weight polyester-based levelling and flow agent, with wide compatibility in solvent-based systems. It reduces craters, orange peel and pinholes. Increases gloss. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed EU Ecolabel compliant.	100 %		Coil coatings, Packaging coatings, Automotive OEM & refinish Industrial coatings
POLYACRYLIC BASED FOR WATER BORNE APPLICATIONS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>MODAREZ® PW 336</b>	VOC free levelling and flow agent for water-based systems, carboxyl functional, excellent flow, levelling and de-gassing performance. Extending open time, it acts as coalescing agent. Excellent pigment wetting properties, can be used as grinding resin. Biocide-free. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	48 %	Water	Wood coatings Industrial coatings Decorative coatings
W	<b>MODAREZ® FA 365</b>	VOC free levelling and flow agent for water-based systems, carboxyl functional, excellent flow, levelling and de-gassing performance. Low viscosity, easy to handle and incorporate. It can extend the open time, it acts as coalescing agent. Excellent pigment wetting properties, can be used as grinding resin. Biocide-free. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	31 %	Water	Wood coatings Industrial coatings Decorative coatings
W	<b>MODAREZ® PW 363</b> <small>NEW</small>	VOC-free acrylic based flow and levelling agent for water-based coatings. Efficient to extend the open time, can be used as coalescing agent. Excellent flow and levelling, perfect recoat ability. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	48 %	Water	Decorative coatings Wood coatings Industrial coatings
W	<b>MODAREZ® PW 677</b> <small>NEW</small>	VOC free polyacrylic polysiloxane modified polymer, providing levelling, flow and strong wetting substrate behaviour. Improves flow and levelling and eliminates craters, pinholes and orange-peel. Perfect recoat ability. Designed for difficult and contaminated substrates. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	52 %	Water	Industrial coatings Plastics coatings Wood coatings
W	<b>MODAREZ® PW 688</b> <small>NEW</small>	VOC-free acrylic based flow and levelling agent for water-based coatings. Excellent flow and levelling, perfect recoat ability. Low impact on water resistance, designed for metal coatings. Biocide-free. FDA 175-300, Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	48 %	Water	Industrial coatings Metal coatings, Printing Inks

# LEVELLING, FLOW AND SLIP EFFECT



ORGANICALLY MODIFIED POLYSILOXANE BASED FLOW AND SLIP AGENTS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>MODAREZ® SI 472</b> <small>NEW</small>	Polysiloxane-based levelling and surface slip additive for solvent borne coatings. Its broad compatibility with usual industrial coatings systems makes MODAREZ® SI 472 suitable for many possible applications. It improves slip effect, flow and levelling. It increases scratch and mar resistance, does not stabilize foam and assists degassing and enhances anti-blocking properties. Swiss Ordinance 817.023.21 (Annex X) listed.	50 %	Xyl / IB	Industrial coatings Metal and wood coatings
S/W	<b>MODAREZ® SI 473</b> <small>NEW</small>	Polysiloxane-based levelling and surface slip 100% solid additive for solvent borne coatings. Its broad compatibility with usual industrial coatings systems makes MODAREZ® SI 473 suitable for many possible applications. It improves slip effect, flow and levelling. It increases scratch and mar resistance, does not stabilize foam and assists degassing and enhances anti-blocking properties. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Industrial coatings Metal and wood coatings
S	<b>MODAREZ® SI 475</b> <small>NEW</small>	Polysiloxane-based levelling and surface slip xylene-free additive for solvent borne coatings. Its broad compatibility with usual industrial coatings systems makes MODAREZ® SI 475 suitable for many possible applications. It improves slip effect, flow and levelling. It increases scratch and mar resistance, does not stabilize foam and assists degassing and enhances anti-blocking properties. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %	IB	Industrial coatings Metal and wood coatings
ORGANICALLY MODIFIED POLYSILOXANE BASED SUBSTRATE WETTING			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>MODAREZ® SW 452</b>	Organically modified polysiloxane based wetting substrate additive, with outstanding performances on surface tension reduction, without affecting overcoating adhesion. It performs on strongly difficult and contaminated substrates. For water borne systems, especially wood coatings and printing inks. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	60 %	DPGME	Industrial coatings Metal coatings Wood coatings
W	<b>MODAREZ® SW 452 C</b>	VOC-free, 100% active organically modified polysiloxane based wetting substrate additive, with outstanding performances on surface tension reduction, without affecting overcoating adhesion. It performs on strongly difficult and contaminated substrates. For water borne systems, especially wood coatings and printing inks. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Industrial coatings Metal coatings Wood coatings
SILICONE AND FLUORINE-FREE SUBSTRATE WETTING			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S/W	<b>MODAREZ® IA 696</b> <small>NEW</small>	VOC-free, silicone and PFAS-free flow and levelling agent with special features to improve inter-layers adhesion. Introduced in the primer, it helps the top-coat to spread properly and improve adhesion on primer, avoiding delaminated issues. It is especially designed for multi-layers high quality coatings. EU Ecolabel compliant.	100 %		Coil coatings, UV/EB systems Automotive OEM, refinish
S/W	<b>MODAREZ® X 060</b> <small>NEW</small>	Silicone and PFAS-free substrate wetting agent, with strong performance on difficult substrates, no tendency to stabilise foam. Very efficient on DTM.			Industrial coatings Automotive OEM, refinish
S/W	<b>MODAREZ® X 073</b>	Silicone and PFAS-free substrate wetting agent with levelling properties for water and solvent borne systems. Acts as an air release agent and plasticizer for binders. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Industrial coatings Can Coatings, Printing Inks Automotive Coatings
W	<b>MODAREZ® X 074</b>	Silicone and PFAS-free substrate wetting agent for water-based systems, with high anti-crater properties, strong interfacial tension modifier reducing fish eyes and crawling. Suitable for certain applications. Biocide-free. FDA 175-300. EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	55 %	Water / IP	Decorative coatings, Wood coatings, Packaging Coatings, Printing Inks, Automotive Coatings
S/W	<b>MODAREZ® X 840</b>	Silicone, PFAS-free and VOC-free surface wetting and levelling agent, for solvent-based, solvent free and water-based systems. Especially recommended for Plastic coatings. Acts as deaerator. Biocide-free.	20 %	Water	Industrial coatings, Wood coatings, Plastic coatings Flooring

# PIGMENTS DISPERSION



POLYMERIC WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS IN WATER-BASED COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-PON W 578</b>	Polymeric VOC and biocide-free wetting and dispersing agent for pigments and fillers in high quality water-based systems. Especially recommended for TiO2 and high colour carbon black pigments (HCC). EU Ecolabel compliant.	40 %	Water	Industrial coatings Decorative coatings
W	<b>SYNTHRO®-PON W 597</b>	Polymeric VOC-free wetting and dispersing agent for pigments in high quality water-based systems with wide compatibility, for organic and inorganic pigments. Recommended for phthalocyanine pigments and iron oxide pigments. EU Ecolabel compliant.	40 %	Water	Industrial coatings Decorative coatings
W	<b>SYNTHRO®-PON W 599</b>	Polymeric VOC-free and biocide-free wetting and dispersing agent for organic and coloured inorganic pigments in high quality water borne coatings, printing inks, resin-free pigment concentrates and slurries. Very wide compatibility in usual resins systems. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	40 %	Water	Pigment concentrates Decorative coatings Industrial coatings
W	<b>SYNTHRO®-PON W 600</b>	Polymeric VOC and biocide-free wetting and dispersing agent for organic and coloured inorganic pigments in high quality water borne coatings, printing inks, resin-free pigment concentrates and slurries. Very wide compatibility with standard resins used in water borne paints, designed for resin-free pigment concentrates with high pigment loading. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	40 %	Water	Pigment concentrates Decorative coatings Industrial coatings Printing Inks
POLYMERIC WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS IN SOLVENT-BASED COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>SYNTHRO®-PON S 596</b>	Polymeric wetting and dispersing agent for organic and inorganic pigments in industrial solvent-based systems. It is especially recommended for pigment concentrates for general industrials coatings based on standard resins systems. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	45 %	Xyl/MPA BuAcO	Industrial coatings Wood coatings Pigments concentrates Automotive refinish
S	<b>SYNTHRO®-PON S 602</b>	Wetting and dispersing additive for pigments in solvent-based systems. It is especially designed for titanium dioxide and inorganic pigments including anticorrosion pigments. Wide compatibility and suitable for acid catalyst resins systems. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	52 %	Aromatic	Industrial coatings Pigment concentrates Coil coatings, Wood coatings
S	<b>SYNTHRO®-PON S 606</b>	Polymeric wetting and dispersing agent for organic and inorganic pigments in industrial solvent-based systems. Aromatic-free solvent, It is especially recommended for pigment concentrates for general industrials coatings based on standard resins systems. EU Ecolabel compliant.	60 %	BuAcO /MPA	Industrial coatings Wood coatings Pigments concentrates Automotive refinish
S	<b>SYNTHRO®-PON S 624</b>	Polymeric wetting and dispersing agent for organic and inorganic pigments in high quality industrial solvent-based systems, especially suitable in acid catalyst polyester / melamine resin systems for coil coatings and wood coatings applications. EU Ecolabel compliant.	30 %	MPA / BuAcO	Coil coatings Wood coatings
S	<b>SYNTHRO®-PON S 656</b>	Polymeric wetting and dispersing agents for inorganic pigments and extenders / fillers in high quality industrial solvent borne and solvent-free. Wide compatibility including in polyester, epoxy and UV curable systems. VOC-free, Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100%		Industrial coatings Coil coatings, UV curing Printing inks
S	<b>SYNTHRO®-PON S 675</b>	Aromatic-free solvent version of SYNTHRO®-PON S 602. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant	52 %	MPA	Industrial coatings Printing Inks, Coil coatings Wood coatings

# PIGMENTS DISPERSION



DISPERSING AGENTS FOR INORGANIC PIGMENTS, MINERAL FILLERS AND EXTENDERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® B 03</b>	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate ammonium salt. Strong deflocculating characteristics. VOC-free. Biocide-free. FDA 175-300 and EU/10/2011 listed. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	45 %	Water	Architectural and deco paints Plasters and renders
W	<b>PROX® A 11</b>	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate sodium salt. Excellent stability and no foam stabilization. VOC-free. Biocide-free. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	45 %	Water	Architectural and deco paints Plasters and renders
W	<b>PROX® A 648</b>	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate sodium salt with hydrophobic behaviour and strong dispersing effect. Excellent stability and no foam stabilization. VOC-free and Biocide-free. EU Ecolabel compliant.	25 %	Water	Architectural and deco paints Plasters and renders
W	<b>PROX® A 987</b>	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate organic salt. Low water sensitivity high hydrophobic behaviour. Rheology modifier properties leading to good sag resistance. Emulsion at 37 % solid in water. EU Ecolabel compliant.	37 %	Water	Architectural and deco paints Plasters and renders
CONVENTIONAL WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>SYNTHRO®-PON S 628</b>	Wetting and dispersing agent for inorganic pigments and extenders especially designed to prevent flooding and floating. It reduces pigment sedimentation in industrial coatings. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	50 %	Xyl / DIBK	Industrial coatings
S	<b>SYNTHRO®-PON DB 50</b>	Wetting and dispersing agent for solvent-based and solvent-free coating systems. Recommended for bentonite gels.	50 %	Xyl / IB	Industrial coatings Protective coatings
S	<b>SYNTHRO®-PON DB 80</b>	High solid version (80%) of SYNTHRO®-PON DB 50.	80 %	BG	Industrial coatings, Wood coatings Protective coatings
S	<b>SYNTHRO®-PON 9 TD</b>	Wetting and dispersing agent for pigments in solvent-based systems, with wide compatibility including nitro cellulosic systems. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Industrial coatings Road marking paints

# PIGMENTS WETTING AND COMPATIBILIZERS



DISPERSING AGENTS FOR INORGANIC PIGMENTS, MINERAL FILLERS AND EXTENDERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-PON 9 TDK</b>	Anionic wetting and dispersing agent for pigments in all standard water-based systems. Improves colour acceptance of universal colorants in base paints. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	30%	Water	Architectural coatings Industrial coatings, Wood coatings
S/W	<b>SYNTHRO®-COMP 60 B</b>	Additive to promote water acceptance in solvent-based systems. Excellent performance for metallic effect pigments stabilisation and orientation. FDA 175-300 and EU/10/2011 (solid matter) listed. EU Ecolabel compliant.	42 %	MP/Water	Industrial coatings Architectural coatings
S/W	<b>SYNTHRO®-COMP 74</b>	Additive to improve colour acceptance of universal colorants in base paints. Excellent wetting performances for inorganic and organic pigments. Biocide-free. FDA 175-300 and EU/10/2011 (solid matter). Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	55 %	IP/Water	Decorative coatings Industrial coatings



# DEFOAMERS FOR WATER BORNE AND SOLVENT BORNE COATINGS



POLYSILOXANE BASED DEFOAMERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>MOUSSEX® S 9092</b>	VOC-free polysiloxane based defoamer in emulsion for water-based systems, easy to incorporate and recommended for industrial coatings and Printing Inks. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	50 %	Water	Printing Inks Industrial coatings
W	<b>MOUSSEX® S 8044</b>	VOC-free modified polysiloxane based defoamer in emulsion for water borne industrial, decorative coatings and printing inks, and also suitable for pigments concentrates. Good compatibility and excellent dispersibility. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	50 %	Water	Decorative paints Wood & Industrial coatings
W	<b>MOUSSEX® S 8051</b>	VOC-free modified polysiloxane based defoamer in solution for water borne industrial, decorative coatings and printing inks. Excellent degassing properties, strong "knock-down" associated with high compatibility. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %	PPG	Decorative paints Wood & Industrial coatings
W	<b>MOUSSEX® S 8147</b>	VOC-free modified polysiloxane based defoamer for water borne industrial, decorative coatings and printing inks, high concentration, suitable for pigment concentrates. Biocide-free, Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Decorative paints Wood & Industrial coatings
S	<b>MOUSSEX® 388 SL</b>	100% solid polysiloxane based defoamer for solvent and solvent-free coatings, especially for flooring applications, combining strong defoaming properties with good levelling. Biocide-free. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %		Epoxy & PU Flooring Industrial coatings, Wood coatings
S	<b>MOUSSEX® S 667</b>	Polysiloxane based defoamer for industrial coatings, as 2K epoxy, PU 2K, air drying and stoving enamels. Highly efficient in clear coat. Biocide-free. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	100 %	Aromatic	Industrial & Wood coatings Printing Inks – Can coatings Epoxy & PU flooring

SILICONE-FREE DEFOAMERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S/W	<b>MOUSSEX® SF 561</b>	VOC-free defoamer, suitable for solvent and water-based coatings, such as 2K acrylic, epoxy, air drying and stoving enamels and UV acrylic systems. Biocide-free. Swiss Ordinance 817.023.21 (Annex X ) listed. EU Ecolabel compliant.	100 %		Industrial & Wood coatings Printing Inks
S	<b>MOUSSEX® SF 254</b>	Silicone-free polymeric based defoamer for solvent based industrial coatings. Recommended for 2K acrylics, epoxy, air drying and stoving enamels. Very efficient in highly pigmented and solvent-free systems. Biocide-free. FDA 175-300, EU/10/2011 (solid content) and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	40 %	Aromatic	Industrial coatings Coil coatings
S	<b>MOUSSEX® SF 393</b>	Silicone-free polymeric defoamer and deaerator additive for solvent borne and solvent-free industrial coatings. Beside its strong degassing performances, it improves flow and levelling. No influence on inter coat adhesion. Especially designed for saturated and unsaturated polyester resins systems. FDA 175-300 (solid matter), EU/10/2011 (solid matter) listed. Swiss Ordinance 817.023.21 listed.	80 %	Aromatic	Industrial coatings Packaging coatings, Coil coatings, Composites (UP)

# DEFOAMERS FOR WATER-BORNE COATINGS



SILICONE-FREE DEFOAMERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>MOUSSEX® 7134 HE</b>	VOC-free mineral oil based defoamer in emulsion for water-based coatings. Highly efficient and easy to incorporate. Biocide-free.	50 %	Water	Architectural & Decorative paints
W	<b>MOUSSEX® 3130 HL</b>	Concentrated mineral oil defoamer for water borne decorative coatings and printing inks, with very strong defoaming properties in acrylic, styrene acrylic, vinyl acrylic acetate and versatate based emulsion paints. Biocide-free. EU Ecolabel compliant.	100 %		Architectural & Decorative paints
W	<b>MOUSSEX® 7141 HL-V</b>	VOC free 100 % active vegetable oils based defoamer for water-borne coatings and printing inks. Biocide-free. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	>98 %		Architectural & Decorative paints
W	<b>MOUSSEX® 7143 HE-V</b>	VOC free vegetable oils emulsion based defoamer for water-borne coatings and printing inks. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	30 %	Water	Architectural & Decorative paints
W	<b>MOUSSEX® 7155 HE-V</b>	VOC free vegetable oils emulsion based defoamer for water-borne coatings and printing inks. Easy to incorporate in water borne formulation. It accelerates the foam break-down after production process. Biocide-free, FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	30 %	Water	Printing Inks Decorative coatings Architectural coatings



# ANTI-FLASH RUST - CORROSION PROTECTION



ANTI FLASH-RUST			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-COR C E 660 B</b>	VOC-free, Nitrite and borate free anti flash-rust additive. Very active in liquid phase, especially designed for anti-flash rusting during application step. Biocide free. EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	>30 %	Water	Industrial coatings Primers and DTM Architectural & decorative coatings
W	<b>SYNTHRO®-COR EV B</b>	Nitrite and borate free anti flash-rust additive. Good compromise between anti-flash rust during application phase and in-can packaging protection. Especially formulated for vapour phase. Swiss Ordinance 817.023.21 (Annex X) listed.	46 %	Water	Industrial coatings Primers and DTM

# RHEOLOGY MODIFIERS



RHEOLOGY MODIFIERS FOR WATER BORNE COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-THIX 301</b>	Ready-to-use polymeric protective colloidal thickener based on a high molecular weight polyacrylate sodium salt. Newtonian rheology behavior. FDA 175-300, EU/10.2011 and Swiss Ordinance 817.023.21 (Annex X) listed.	<15 %	Water	Architectural & Decorative paints Plasters & renders
W	<b>SYNTHRO-THIX 608</b>	Hydrophobic acrylic associative thickener for water-based formulation (HASE type), which develops high viscosity. The pseudo plastic rheological profile allows a very fast viscosity recovery after application, with outstanding anti-settling effect. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	30 %	Water	Architectural & Decorative paints Plasters & renders
W	<b>SYNTHRO-THIX 618</b>	Acrylic non-associative VOC-free thickener for water-based formulation (ASE type). It helps to adjust the viscosity any water base preparations at low shear rate and prevent pigments and fillers settling down. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	30 %	Water	Architectural & Decorative paints Wood coatings, Printing Inks
W	<b>SYNTHRO-THIX 633</b>	Hydrophobic acrylic associative VOC-free thickener for water-based formulation, which develops high viscosity (HASE type). It is specifically designed for salts / electrolytes and surfactants high levels containing formulations. EU Ecolabel compliant.	30 %	Water	Architectural & decorative paints Plasters and renders
W	<b>SYNTHRO-THIX NI 156</b> 	VOC-free, pH independent non-ionic associative thickener HEUR type, isocyanate-free. Easy to handle because of its low viscosity. Wide compatibility with usual anionic to cationic water borne resins systems. pH independent. Strong thickening efficiency in low to medium shear rates ranges. Swiss Ordinance 817.023.21 (Annex X) listed EU Ecolabel compliant.	25 %	Water	Architectural & decorative paints Plasters and renders Wood coatings
W	<b>SYNTHRO-THIX 936 W</b> 	Liquid urea urethane rheology modifier for water borne coatings. Easy to incorporate by post-addition. Excellent anti-sagging properties and anti-settling performances. EU Ecolabel compliant.	52 %	Water	Industrial coatings Wood coatings

RHEOLOGY MODIFIERS FOR SOLVENT BORNE COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S/W	<b>SYNTHRO®-THIX 625</b>	Rheology modifier and dispersing agent for solvent borne systems, with enhanced anti-settling and anti-sagging properties. FDA 175-300. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	75 %	Water	Decorative coatings Industrial coatings Wood coatings
S	<b>SYNTHRO®-THIX 905 S</b>	Liquid urea urethane rheology modifier for solvent-based systems NMP-free, from medium polar to high polar systems. Strong anti-sagging properties and easy to incorporate by post addition. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	52 %	DMSO	Industrial coatings Wood coatings Automotive refinish, Coil coatings
S	<b>SYNTHRO®-THIX 928 S</b>	Liquid urea urethane rheology modifier for solvent-based systems NMP-free and DMSO-free, from medium polar to high polar systems. Strong anti-sagging properties and easy to incorporate. EU Ecolabel compliant.	40 %	NBP	Industrial coatings Wood coatings Automotive refinish, Coil coatings

# RHEOLOGY MODIFIERS



PH STABILIZER-ANTI-FREEZING			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-STAB 25 B</b>	VOC-Free and amine-free pH buffer additive for water-based paints. Odourless pH stabilizing agent. Long lasting performances. Dispersing properties and corrosion inhibition behaviour. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) and EU/10/2011 listed. EU Ecolabel compliant.	60 %	Water	Architectural & decorative paints Industrial coatings Wood coatings
W	<b>SYNTHRO®-STAB UE B</b>	Polymeric stabilizer and anti-freezing agent for emulsion paints, glycol free. Swiss Ordinance 817.023.21 (Annex X) listed.	100 %		Architectural & decorative coatings

ALDEHYDE SCAVENGERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-STAB TF 275</b>	VOC-Free Formaldehyde and acetaldehyde scavenger. It reduces the residual formaldehyde. It acts as a catcher for the formaldehyde present or released in the atmosphere, improving Indoor Air Quality. Suitable for water borne primers, renders and plasters. Not recommended for top coat. EU ecolabel compliant.	25 %	Water	Architectural coatings Primers and Construction materials
S	<b>SYNTHRO®-STAB TF 276</b>	Formaldehyde scavenger. Used in conjunction with formaldehyde containing resins, it reduces the residual formaldehyde, leading strong limitation of emission. It acts as a catcher for the formaldehyde present or released in the atmosphere, improving the Indoor Air Quality, high concentration. Suitable for solvent borne systems.	30 %	Glycerol	Industrial solvent borne coatings Wood coatings, Plastic coatings Solvent-borne resins systems
W	<b>SYNTHRO®-STAB TF 278</b>	VOC-Free high concentrated Formaldehyde and acetaldehyde scavenger. It reduces the residual formaldehyde. It acts as a catcher for the formaldehyde present or released in the atmosphere, improving Indoor Air Quality. Suitable for water borne primers, renders and plasters. Not recommended for top coat. EU Ecolabel compliant.	50 %	Water	Architectural coatings Primers and Construction materials
W	<b>SYNTHRO®-STAB TF 501</b>	Formaldehyde scavenger. It reduces the residual formaldehyde. It acts as a catcher for the formaldehyde present or released in the atmosphere, improving the Indoor Air Quality, high concentration. Suitable for water borne systems. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed.	50 %	Water	Architectural coatings Construction Materials

TANINS BLOCKER			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-STAIN 472</b>	VOC-Free and Zinc-free tannins blockers for water borne wood coatings. Excellent blocking properties, it avoids discoloration due to tannins components migration in primer film. Biocide-free. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	20 %	Water	Wood primers industrial or DIY Wood decorative coatings



# CATALYSTS AND CROSS-LINKERS



CATALYSTS AND CROSS LINKERS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S	<b>ACTIRON® NX3 LC</b>	Catalyst for epoxy and PU at low temperature and high humidity conditions. FDA 175-300. Swiss Ordinance 817.023.21 (Annexe X) listed.	100 %		Protective coatings Floorings Industrial coatings
W	<b>SYNTHRO®-CAT Z</b>	Formaldehyde-free cross-Linker and Hardener for water borne stoving and air-drying systems based on polyester or acrylic resins. It improves the water resistance and hardness. Biocide-free. Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	20 %	Water	Printing Inks Industrial coatings Architectural coatings
W	<b>PROX® LTQS</b>	VOC-free Quick drying additive for organic renders used in ETICS (Exterior Thermal Insulation Composite system). It reduces the drying time of the coating for outdoor application in cold and humid weather conditions (temperature between 5 and 15 °C and relative humidity above 75%). This product accelerates the surface drying allowing a faster rain proofing of the renders. EU/10/2011. EU Ecolabel compliant.	30 %	Water	Architectural coatings External Thermal Insulation Systems

ACID CATALYSTS FOR STOVING SYSTEMS, COIL COATINGS, INDUSTRIAL COATINGS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
S/W	<b>ACTIRON® NX 458</b>	Amine blocked DDBSA catalyst for stoving systems, designed for automotive OEM, coil coatings and high solid systems in general industry. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	25 %	PG	Coil coatings Industrial coatings Automotive OEM coatings
S/W	<b>ACTIRON® NX 459</b>	High concentrated amine blocked PTSA catalyst for stoving applications. Recommended for polyester systems and epoxy, especially for coil coatings applications. High reactivity. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	31 %	N-Butanol	Coil coatings Industrial coatings
S/W	<b>ACTIRON® NX 460</b>	Amine blocked PTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	22 %	PG	Coil coatings Industrial coatings Automotive OEM coatings
S/W	<b>ACTIRON® NX 462</b>	Amine blocked PTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. EU Ecolabel compliant.	26 %	IP / P	Coil coatings Industrial coatings Automotive OEM coatings
S/W	<b>ACTIRON® NX 465</b>	Non yellowing high concentrated amine blocked PTSA catalyst for stoving applications. Recommended for polyester systems and epoxy, especially for coil coatings applications. High reactivity and high concentration. Good stability storage at low temperature. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	27 %	PG	Coil coatings Industrial coatings
S/W	<b>ACTIRON® NX 466</b>	Amine blocked PTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. FDA 175-105. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	25 %	IP	Coil coatings Industrial coatings

# FIRE RETARDENT AGENTS



FIRE RETARDANTS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-NYL 460</b>	Non-ionic VOC-free liquid fire-retardant, halogen and bromide-free. Used in coating applications and wide compatibility with acrylic resins, styrene-acrylic binders and styrene-butadiene binders. No negative influence in water resistance. Suitable to be incorporate in water borne coatings. FDA 175-300. EU Ecolabel compliant.	50 %	Water	Architectural & decorative coatings Roof coatings
W	<b>SYNTHRO®-NYL SN 2017 S</b>	VOC-free liquid fire-retardant, halogen and bromide-free. With its neutral pH, it is used in coatings applications and wide compatibility with non-ionic and anionic resins emulsions such as: acrylic resins, styrene-acrylic binders and styrene-butadiene binders. No negative influence in water resistance. Suitable to be incorporate in water borne coatings. Biocide-free. EU Ecolabel compliant.	50 %	Water	Architectural & decorative coatings Roof coatings
W	<b>SYNTHRO®-NYL NP 2720 S</b>	Cationic, VOC-free liquid fire retardant, halogen and bromide-free. Good compatibility in cationic and non-ionic emulsions. Non yellowing and compatible with water repellent. Suitable for wood treatments. Not recommended for anionic systems. EU Ecolabel compliant.	50 %	Water	Wood pre-treatments

# WAX DISPERSIONS

WAX DISPERSIONS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-WAX PE-L 304 D</b>	Non-ionic VOC-free low density polyethylene wax dispersion. It improves slip and lubricating effect of surface coatings. It enhances film flexibility. Highly compatible with most usual binders used in decorative and industrial water borne coatings. Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	22 %	Water	Wood coatings Decorative coatings
W	<b>SYNTHRO®-WAX PE-L 305 D</b>	Non-ionic VOC-free low density polyethylene dispersion. It improves slip effect of surface coatings and enhances abrasion and scratch resistances of water borne coatings. Highly compatible with most usual binders used in decorative and industrial water borne coatings. Biocide-free. EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	25 %	Water	Wood coatings Printing Inks Decorative coatings
W	<b>SYNTHRO®-WAX PE-H 306 D</b>	Non-ionic VOC-free High density polyethylene wax dispersion which improves slip effect of surface coatings. It enhances abrasion resistance and lubricating properties. Brings soft and smooth surface. Suitable for stoving industrial coatings. EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	23 %	Water	Wood coatings Printing Inks Industrial coatings
W	<b>SYNTHRO®-WAX PE-HD 309 D</b> <span>NEW</span>	Non-ionic VOC-free high density polyethylene wax dispersion which improves matting effect and surface properties in water borne coatings and printings inks. Easy to incorporate and wide compatibility. Biocide-free. FDA 175-300 and Swiss Ordinance SR 817.023.21 (Annex X) compliant. EU Ecolabel compliant.	35 %	Water	Decorative coatings Wood and furniture's coatings, Printing Inks
W	<b>SYNTHRO®-WAX NC 402 D</b>	Carnauba type 3 wax non-ionic dispersion for water borne coatings. It provides anti-blocking and abrasion resistances properties. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	25 %	Water	Wood coatings Printing inks Packaging coatings
W	<b>SYNTHRO®-WAX NC 406 D</b> <span>NEW</span>	Carnauba type 3 wax non-ionic VOC-free dispersion for water borne coatings. It provides water and grease barrier effect, additionally to anti-blocking and abrasion resistances properties. Biocide-free. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	25 %	Water	Printing Inks Packaging coatings Wood coatings

# WATER REPELLENTS - BARRIER ADDITIVES AND HEAT-SEALABILITY BOOSTER




BARRIER ADDITIVES - WATER REPELLENTS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-PEL PA</b>	Silicone-free and PFAS-free, Paraffin modified acrylic based water repellent additive for coatings, inks and paints based on modified paraffin wax. It improves water resistance and wash ability. Wide compatibility with current binders. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annex X) listed. EU Ecolabel compliant.	32 %	Water	Wood coatings Printing inks Architectural coatings
W	<b>SYNTHRO®-PEL WA 491</b>	Silicone-free and PFAS-free, Paraffin modified acrylic based water repellent additive for coatings and inks. It increases the barrier resistance to vapor. Good compatibility, low viscosity. No haze in clear coat. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	41 %	Water	Printing Inks Architectural coatings Wood coatings
W	<b>SYNTHRO®-PEL WA 495</b>	Silicone-free and PFAS-free, Paraffin modified acrylic based water repellent additive for coatings and inks. Increase the barrier resistance to vapor. Good compatibility, low viscosity. No haze in clear coat. It is especially designed for food contact coatings and printing inks. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	41 %	Water	Printing Inks Paper coatings Wood coatings
W	<b>SYNTHRO®-PEL FBT 498</b> <small>NEW</small>	Silicone-free and PFAS-free, Acrylic modified polymer emulsion high performance water, grease and oil barrier additive for coatings and printing inks. It increases the film's barrier resistance, improves the gloss and does not lead any tacking effect. It does not affect the heat-sealability. FDA 175-300. EU/10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	43 %	Water	Printing Inks Paper coatings Wood coatings
W	<b>SYNTHRO®-PEL B 67</b>	Silicone-free and PFAS-free, Water, oil and grease repellent additive based on paraffin-free modified polymeric core-shell acrylic based. It acts also as vapor barrier. Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	48 %	Water	Architectural paints Façades and stones paints, Printing Inks
W	<b>SYNTHRO®-PEL CFF</b>	Silicone-free and PFAS-free, Hybrid PUD/acrylic polymer-based additive to improve water repellence of exterior water-based wood and facades coatings with high level of durability. Excellent UV resistance. High compatibility. Excellent wet abrasion resistance performances. In printing Inks, it does not affect thermo-sealability. EU/10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	40 %	Water	Wood coatings Can coatings Printing Inks Decorative coatings

HEAT SEALABILITY BOOSTER			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>SYNTHRO®-SET TS 085</b>	Anti-release and heat-sealable booster, especially designed for Printing Inks and paper coatings. It helps to solve problems of adhesion when water and oil repellents are used in water borne systems. FDA 175-300, EU/10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	40 %	Water	Printing Inks

# ADHESION PROMOTERS



ADHESION PROMOTERS FOR WATER BORNE AND SOLVENT BORNE COATINGS				ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	CHARTWELL® B-515.71 W	VOC-free primary amino functional metal organic complex for water borne applications based on acrylic and styrene-acrylic emulsions, epoxy and PUD. Biocide-free. EU Ecolabel compliant.	33 %	Water	Industrial & Protective coatings Decorative coatings on ceramics and concretes Wood coatings, Plastic coatings	
W	CHARTWELL® B-515.71 WM	VOC-free stabilized pre-neutralized primary amino functional metal complex, for water borne applications based on acrylic and styrene-acrylic emulsions, epoxy and PUD. Low cost. Biocide-free. Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	26 %	Water	Industrial & Protective coatings Decorative coatings Wood coatings, Plastic coatings	
W	CHARTWELL® B-515.1 WH	VOC-free primary amino functional bi-metal organic complex, for water borne applications based on VAE emulsions, cathodic e-coat and cationic systems. EU Ecolabel compliant.	33 %	Water	Protective coatings Industrial coatings Plastic coatings	
S/W	CHARTWELL® F-515.71 HR	Primary amino functional metal organic complex in PEG 300, for water borne applications based on acrylic and styrene-acrylic emulsions, epoxy and PUD, and for solvent borne applications based on PU 2K, epoxy 2K and suitable for nitro cellulosic resins-based systems.	48 %	PEG 300	Industrial metal coatings Plastic and Wood coatings Decorative coatings on ceramics and concretes	
W	CHARTWELL® B-516.71 HRW	Diamino functional VOC-free metal organic complex in solution in water for water borne coatings from pH 7 to 11, based on acrylic, styrene-acrylic emulsion, epoxy, PUD, alkyd emulsions. It improves adhesion on all metals with better salt-fog resistance, and on plastics, rubber, ceramics and wood. EU Ecolabel compliant.	43 %	Water	Industrial metal coatings Wood and Plastic coatings Concrete and Ceramics coatings	
S/W	CHARTWELL® C-515.71 HR	Primary amino functional metal organic complex in solution in propylene-glycol for water and solvent borne applications based on epoxy, PU 2K, urethane modified NC, TPA, acrylic and styrene-acrylic emulsions, PUD, phenolic emulsions. Biocide-free and EU Ecolabel compliant.	41 %	PG	Industrial metal coatings Wood primers and deck coatings Plastic coatings, Decorative coatings on ceramics and concretes	
S/W	CHARTWELL® C-515.71/1.5 H	High reactive primary amino functional metal organic complex in solution in propylene-glycol for water and solvent borne applications based on PU 2K, epoxy, urethane modified NC, alkyds hydro reducible and emulsions, epoxy emulsions, PUD. EU Ecolabel compliant.	50 %	PG	Industrial metal coatings Wood primers and deck coatings Plastic coatings, Decorative coatings on ceramics and concretes	
S/W	CHARTWELL® C-515.72 HRX	High reactive primary functional metal organic complex in solution in propylene glycol, for water and solvent borne applications. For water borne systems based on acrylic, styrene-acrylic emulsions, PUD and alkyd hydro-reducible. For solvent borne systems based on PU 2K and epoxy 2K. EU Ecolabel compliant.	34 %	PG	Industrial metal coatings Wood primers and deck coatings Glass coatings, Plastic coatings	
S/W	SYNTHRO®-BOND AP 811	Adhesion promoter based on phosphoric ester epoxy modified polymer, which provides very good adhesion properties on various metallic substrates including brass, alloys and aluminium. It improves adhesion by bonding between substrates and resins systems and by enhancing plasticity effect without affecting surface hardness.	50 %	BG	Coil coatings Industrial coatings on metals	
S/W	SYNTHRO®-BOND AP 711 	VOC-free Polymeric adhesion promoter based on phosphoric ester epoxy polymer, providing excellent adhesion on various metallic substrates including brass, alloys and aluminium. It improves adhesion by bonding between substrates and resins systems and by enhancing plasticity effect without affecting surface hardness. EU Ecolabel compliant.	50 %	TEGBE	Coil coatings Industrial coatings on metals	



# WATER BORNE RESINS EMULSIONS AND DISPERSIONS



ANIONIC ACRYLIC EMULSIONS AND DISPERSIONS			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® AM 152</b>	Anionic Acrylic functional dispersion binder for temporary protective coatings. Alkali soluble. Carboxy functional: It can cross-link with epoxy or melamine resin for permanent coatings. Biocide-free. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	40 %	Water	Industrial coatings, Printing Inks, Metal protection temporary coatings
W	<b>PROX® AM 157</b>	Anionic Acrylic resin in emulsion for fast drying films at low temperature. It provides hard but flexible films with good solvent resistance. Designed for floor and road marking coatings. Good UV resistance. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	50 %	Water	Road marking paints Industrial coating on metal Anticorrosion primers
W	<b>PROX® AM 164 RS</b>	VOC-free anionic Acrylic resin in emulsion for exterior architectural water borne coatings. Good hardness and resistance to water. Compatible with sodium silicate. EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	40 %	Water	Architectural coatings Flooring coatings and varnishes
W	<b>PROX® AM 185 RS</b>	Anionic Acrylic resin in emulsion for industrial coatings on metals. Resistant to solvents. Excellent surface hardness. FDA 175-300 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	50 %	Water	Printing Inks and OVP Industrial on metal Wood coatings
W	<b>PROX® ACW 650</b>	VOC-free special anionic acrylic modified resin in emulsion for anticorrosion water borne coatings. It gives strong anticorrosion performances as sole or co-binder.	40 %	Water	Medium duty antio primers Industrial DTM coatings
NON-IONIC ACRYLIC EMULSION			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® AM 355 G</b>	Non ionic acrylic copolymer emulsion. Good stability in alkaline medium, compatible with plasters, cements and calcium carbonate. Good water resistance. Mat film, medium hardness. FDA 175-300, EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	46 %	Water	Architectural and decorative coatings, Plaster and renders
AMPHOTERIC ACRYLIC EMULSION			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® AM 234</b>	Amphoteric core-shell VOC-free acrylic copolymer emulsion for stain blocking. Recommended for all acid base coatings where a significant stain blocking property is required. Main applications are: Stain blocking coatings, Multi-purpose primers and paints, flexible and plasticizer free coatings with low tackiness. EU/10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed.	45 %	Water	Architectural & Deco coatings Primers on metal Metallic coatings Coil coating pre-treatment
POLYURETHANE DISPERSION			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® R 908</b>	Anionic VOC-free PU dispersion which gives a colourless glossy film. Excellent balance between hardness/flexibility and abrasion, resistance. Good adhesion on plastics, metals, wood, fiberglass. Excellent UV and weathering resistance. Designed for exterior coatings applications. In printing Inks, it can be used as heat sealability booster. Biocide-free. EU 10/2011 and Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	40 %	Water	Industrial coatings Metal, Plastic and Wood Coatings, Printing Inks
EPOXY EMULSION			ACTIVE CONTENT	SOLVENT	MAIN APPLICATIONS
W	<b>PROX® EB 9913 C</b>	Low VOC aqueous dispersion of a high molecular weight epoxy resin, grade 9. EEW > 3000. Self cross-linkable at 160° C. It can be used in combination with heat reactive cross-linking agents such as amino- and phenol-formaldehyde resins or carboxyl functional water borne acrylic polymers like PROX® AM 152. It can also be used as binder in ambient curing systems in combination with isocyanate cross-linkers. EU Ecolabel compliant.	31 %	Water	Industrial coatings Metal coatings Glass coatings

# ADDITIVES FOR POWDER COATINGS



CATALYSTS AND HARDENERS			MAIN APPLICATIONS
P	<b>ACTIRON® 32-18 A</b>	Catalyst based on blocked sulfonic acid with high reactivity, especially designed for textures and wrinkle finishes. In presence of monomeric tetra methoxymethyl glycoluril cross-linker, it acts in pre-cure rheology and cross-linking reaction to form "wrinkle" textured effects.	Powder coatings for Interior and Exterior applications Wrinkle and textured coatings on metal
P	<b>ACTIRON®TAB P</b>	Highly reactive non yellowing catalyst based on brominated compounds adsorbed on silica. Suitable for low cure temperature and for exterior applications. Non hazardous. Recommended for Hybrid, Epoxy/dicyandiamide, Polyester/TGIC, Polyester/PT 910 type.	Powder coatings for Interior and exterior applications Universal powder coatings Low cure temperature powder coatings
P	<b>ACTIRON® NX 3 P</b>	Catalyst based on Amino phenol derivative. Excellent latency and good chemical resistance. Recommended for epoxy and polyurethane resin systems, and also hybrid systems. FDA 175 300	Epoxy based powder coatings Protective metal coatings
TRIBO ADDITIVE			MAIN APPLICATIONS
P	<b>MODAREZ® TA 483</b>	Amine based Tribo-charging additive in powder form for polyester and hybrid powder coatings applied by triboelectric process. Non yellowing and no negative influence on curing conditions.	Powder coatings for Interior and Exterior applications
LEVELLING AND FLOW AGENTS, ACRYLIC BASED, SILICONE-FREE			MAIN APPLICATIONS
P	<b>MODAREZ® 369 P</b>	Flow and levelling agent based on acrylic copolymer supplied in powder form, adsorbed on silica. Medium molecular weight. Recommended for epoxy, hybrid, polyester, polyurethane and acrylic resins systems. FDA 175-300. Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	Powder coatings for Interior and Exterior applications
P	<b>MODAREZ® 370 P</b>	Flow and levelling agent based on acrylic copolymer supplied in powder form, adsorbed on silica. High molecular weight. Wide compatibility. Recommended for epoxy, hybrid, polyester, polyurethane and acrylic resin systems. FDA 175-300. Swiss Ordinance 817.023.21 (Annexe X) listed. EU Ecolabel compliant.	Powder coatings for Interior and Exterior applications
ADHESION PROMOTERS – CHARTSIL			MAIN APPLICATIONS
P	<b>CHARTSIL® B-515 1.2H</b>	Adhesion promoter based on primary amine functional metal organic compound adsorbed on silica carrier. Recommended for epoxy, hybrid and polyurethane resins systems Suitable for Polyester PT 910 type, Polyester/TGIC and Primid® resin systems. It Improves moisture resistance and corrosion.	Powder coatings for Interior and Exterior applications
P	<b>CHARTSIL® C-523.2H</b>	Adhesion promoter based on hybrid carboxy/hydroxyl functional metal organic compound adsorbed on silica carrier. Recommended for Polyester PT 910 type, Polyester / TGIC and Primid® resin systems. Suitable for epoxy, hybrid and polyurethane resins systems. It Improves moisture resistance and corrosion. EU Ecolabel compliant.	Powder coatings for Interior and Exterior applications

# LIST OF ABBREVIATIONS

**S** Suitable for solvent-based coatings  
**W** Suitable for water-based coatings  
**S/W** Suitable for solvent and water-based coatings  
**P** Suitable for Powder coatings

**BG** Butyl glycol  
**BUACO** Butyl acetate  
**DBE** Di basic ester  
**DDBSA** Dodecyl benzene sulfonic acid  
**DIBK** Di-iso butyl ketone  
**DMSO** Di methyl sulfoxide  
**DPGME** Di propylene glycol monomethyl ether  
**IB** Iso-butanol  
**IP** Iso propanol  
**MPA** Methoxy propyl acetate  
**MP** Methoxy propanol  
**NBP** N-Butyl pyrrolidone  
**P** Propanol  
**PEG 300** Polyethylene glycol 300  
**PG** Propylene glycol  
**PPG** Polypropylene glycol  
**PTSA** Para-toluene sulfonic acid  
**TEGME** Triethylene glycol monobutylether  
**XYL** Xylene

**PU 2K** Two-components polyurethane system  
**DTM** Direct to Metal  
**DIY** Do It Yourself  
**EU** European Union  
**OEM** Original Equipment material  
**VOC** Volatile Organic Compounds

IMPORTANT NOTICE CONCERNING FDA 175-300,  
 EU/10/2011 AND EU ECOLABEL:

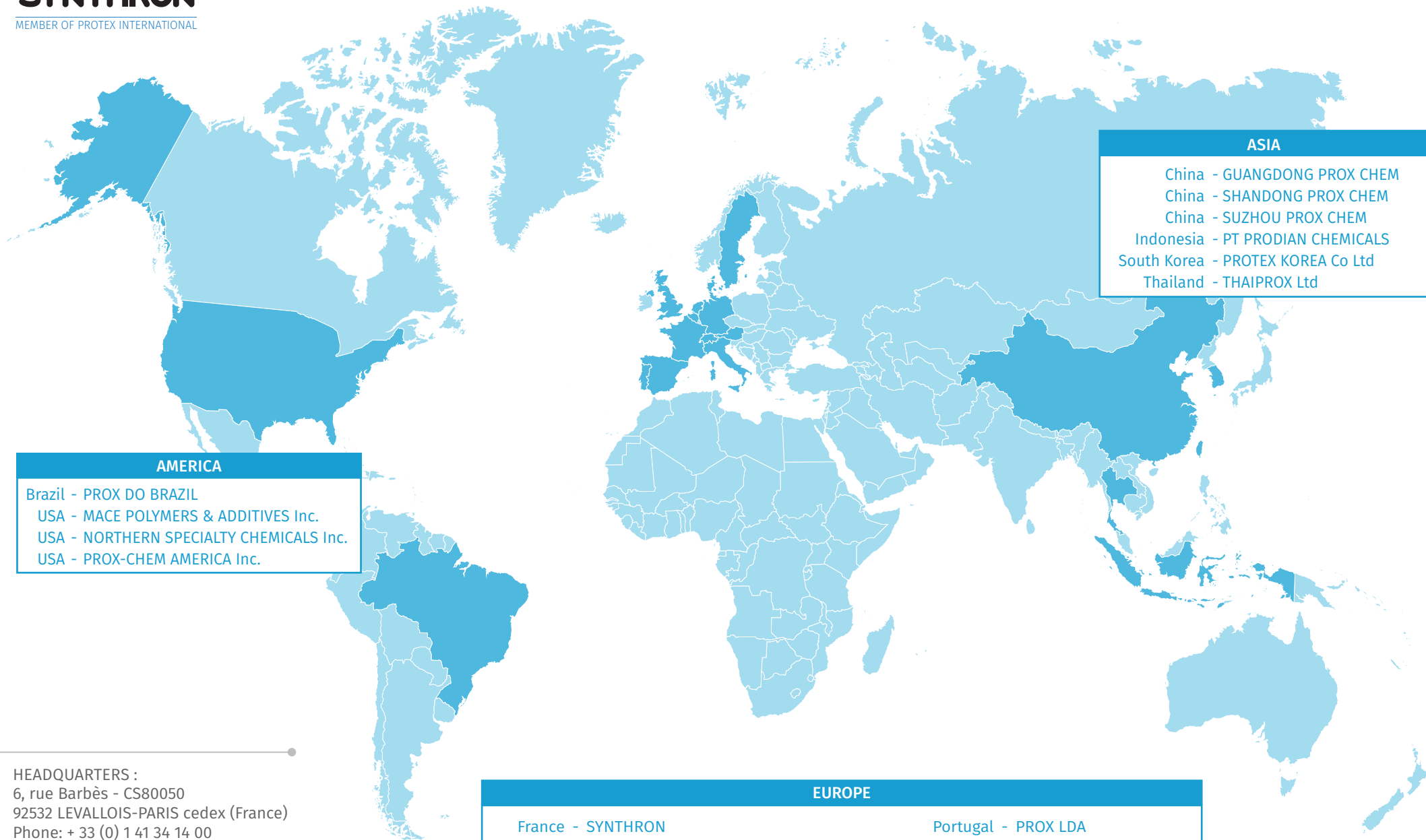
Information are given for guidance for the usage of the concerned product in a final product which request to comply with the regulations mentioned.

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USA - NORTHERN SPECIALTY CHEMICALS Inc.  
USA - PROX-CHEM AMERICA Inc.

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China - SHANDONG PROX CHEM  
China - SUZHOU PROX CHEM  
Indonesia - PT PRODIAN CHEMICALS  
South Korea - PROTEX KOREA Co Ltd  
Thailand - THAIPROX Ltd

## EUROPE

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Germany - PROTEX EXTROSA	Spain - QUIMOPROX S.L.
Italy - PROXITALIA PRODOTTI CHIMICI Srl	United Kingdom - PROTEX CHEMICALS Ltd

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