




**SYNTHRON**

MEMBER OF PROTEX INTERNATIONAL

# PRODUCT list



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

YOUR ADVANCED SOLUTIONS 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

# LEVELLING AND FLOW



SILICONE-FREE, POLYACRYLIC BASED			MAIN APPLICATIONS
S	MODAREZ® MFP	For solvent and solvent-free systems, medium molecular weight, combining high gloss and degassing properties. 100 % solid content. FDA 175-300.	Coil coatings, Industrial coatings Packaging coatings, Flooring
S	MODAREZ® MFP B	For solvent and solvent-free systems, medium molecular weight providing good substrate wetting properties. 100% solid content. FDA 175-300.	Industrial coatings, Coil coatings, Packaging coatings
S	MODAREZ® MFP C	For solvent and solvent-free systems, low molecular weight, highly compatible for use in clear coatings. 100% solid content. FDA 175-300.	Industrial coatings, Wood coatings Automotive coatings OEM & refinish.
S	MODAREZ® MFP E	For solvent and solvent-free systems, High molecular weight, gives high levelling, degassing, substrate wetting, and surface hardness in pigmented systems. 100% solid content. FDA 175-300.	Industrial coatings, Coil coatings Flooring, Packaging coatings
S	MODAREZ® MFP-FC	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. 80% solid content in aromatic solvent.	Coil coatings, Industrial coatings
S	MODAREZ® MFP-G 52 S	Levelling agent for solvent borne systems, low molecular weight, high compatibility and high gloss. 52%solid content in aromatic solvent.	Industrial coatings, primers Automotive OEM and car repair
S	MODAREZ® MFP L	For solvent and solvent-free systems, low molecular weight with wide compatibility, for use in clear coats and pigmented systems. 100% solid content. FDA 175-300.	Coil coatings, Industrial coatings Packaging coatings
S	MODAREZ® MFP L 50 S	Diluted version of MODAREZ® MFP L at 50% solid content in aromatic solvent.	Coil coatings, Industrial coatings
S	MODAREZ® MFP L 50 NL	Diluted version of MODAREZ® MFP L at 50% solid content in non-labelled solvent.	Coil coatings, Industrial coatings
S	MODAREZ® MFP-T	Ultra Low molecular weight polyacrylic polymer, high compatibility in solvent and solvent-free industrial coatings systems. Especially designed for clear coat and varnishes. 100 % solid content. FDA 175-300.	Industrial coatings, Wood coatings, Can coatings, Automotive coatings
SILICONE-FREE, POLYESTER BASED			MAIN APPLICATIONS
S	MODAREZ® PSL 1000	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.	Industrial coatings, Coil Coatings, Can coatings Automotive coatings
S	MODAREZ® PSL 2000	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.	Industrial coatings, Coil & can coatings, Automotive OEM & refinish
SILICONE-FREE, REACTIVE POLYACRYLIC BASED			MAIN APPLICATIONS
S	MODAREZ® MF A OH	Flow and levelling agent, hydroxyl functional, excellent performance in clear coats, good substrate wetting and degassing properties. 100% solid content. FDA 175-300.	Can Coatings, Industrial coatings
S	MODAREZ® MF A EX	Flow and levelling agent for industrial solvent based systems, epoxy functional, improves surface hardness. 100% solid content. FDA 175-300.	Industrial Coatings, UV wood coatings Epoxy based flooring
S	MODAREZ® MF HR	High reactive silicon-free flow and levelling agent for solvent-borne. Improve chemical resistance and no negative influence on surface hardness. 70% solid content in aromatic solvent.	Industrial coatings, Coil coatings

# LEVELLING AND FLOW

POLYACRYLIC BASED FOR WATER BORNE APPLICATIONS			MAIN APPLICATIONS
W	MODAREZ® PW 336	VOC free levelling and flow agent for water based systems, hydroxyl 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. FDA 175-300.	Wood coatings, Industrial coatings Decorative coatings
W	MODAREZ® FA 365	VOC free levelling and flow agent for water based systems, hydroxyl 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. FDA 175-300.	Wood coatings, Industrial coatings Decorative coatings
W	MODAREZ® PW 363	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.	Decorative coatings Wood coatings Industrial coatings
W	MODAREZ® PW 677	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	Industrial coatings Wood coatings

# SUBSTRATE WETTING



POLYSILOXANE BASED SUBSTRATE WETTING			MAIN APPLICATIONS
W	MODAREZ® SW 452	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. 60 % solid in DPGME. (Exist in 100% solid version: <b>Modarez® SW 452C</b> )	Wood coatings, Industrial coatings, Printing Inks, Decorative paints

SILICONE-FREE AND FLUORINE-FREE SUBSTRATE WETTING			MAIN APPLICATIONS
S/W	MODAREZ® X 043	Silicone free substrate wetting agent, with strong performance on difficult substrates, no tendency to stabilise foam. Very efficient on DTM.	Industrial coatings Automotive OEM and Refinish
S/W	MODAREZ® X 073	Silicone 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.	Industrial coatings, Can Coatings, Printing Inks, Automotive Coatings
W	MODAREZ® X 074	Silicone free substrate wetting agent for water based systems, with high anti-crater properties, strong interfacial tension modifier reducing fish eyes and crawling. Suitable for curtain applications. FDA 175-300.	Decorative coatings, Wood coatings, Can Coatings, Printing Inks, Automotive Coatings
S	MODAREZ® X 080	Silicone-free polymeric wetting substrate additive with excellent levelling and flow performances for solvent borne industrial coatings. It prevents craters and pinholes, improves substrate wetting and enhances levelling. Positive influence on the gloss, and no influence on inter-coat adhesion. No foam stabilization.	Industrial coatings, Wood coatings, Coil coatings, Automotive Coatings
S/W	MODAREZ® X 840	Silicone, fluorine 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.	Industrial coatings, Wood coatings, Plastic coatings, Flooring

# PIGMENTS DISPERSION



POLYMERIC WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS IN WATER-BASED COATINGS			MAIN APPLICATIONS
W	<b>SYNTHRO®-PON W 578</b>	Polymeric wetting and dispersing agent for pigments and fillers in high quality water-based systems. Especially recommended for TiO <sub>2</sub> and high color carbon blacks pigments (HCC)	Industrial coatings Decorative coatings
W	<b>SYNTHRO®-PON W 597</b>	Polymeric 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.	Industrial coatings Decorative coatings
W	<b>SYNTHRO®-PON W 599</b>	Polymeric 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.	Pigment concentrates Decorative coatings Industrial coatings
W	<b>SYNTHRO®-PON W 600</b>	Polymeric wetting and dispersing agent for organic and coloured inorganic pigments in high quality water borne coatings, printing inks, resin-free pigment concentrates and slurries. Especially recommended for iron oxide pigments. Very wide compatibility in usual standard resins used in water borne paints, designed for pigment concentrates with high pigment loading.	Pigment concentrates Decorative coatings Industrial coatings

POLYMERIC WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS IN SOLVENT-BASED COATINGS			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.	Industrial coatings, Pigments concentrates Wood coatings, 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.	Industrial coatings Pigment concentrates Coil coatings, Wood coatings
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.	Coil coatings Wood coatings
S	<b>SYNTHRO®-PON S 656</b>	100 % active polymeric wetting and dispersing agents for inorganic pigments and extenders / fillers in high quality industrial solvent borne and solvent-free. Wide compatibility including in unsaturated polyester systems.	Industrial coatings, Coil coatings Wood coating and Gelcoat
S	<b>SYNTHRO®-PON S 675</b>	Aromatic-free solvent version of <b>SYNTHRO®-PON S 602</b> .	Industrial coatings Pigment concentrates Coil coatings, Wood coatings

# PIGMENTS DISPERSION

DISPERSING AGENTS FOR INORGANIC PIGMENTS, MINERAL FILLERS AND EXTENDERS			MAIN APPLICATIONS
W	PROX® B 03	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate ammonium salt. Strong deflocculating characteristics. Emulsion at 40% solid-VOC-free. FDA 175-300.	Architectural and decorative paints Plasters and renders
W	PROX® A 11	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate sodium salt. Excellent stability and no foam stabilization. Emulsion at 40% solid-VOC-free. FDA 175-300.	Architectural and decorative paints Plasters and renders
W	PROX® A 648	Dispersing agent for pigments and fillers in water-based systems. Polyacrylate sodium salt with hydrophobic behavior and strong dispersing effect. Excellent stability and no foam stabilization. Emulsion at 25 % solid - VOC-free. FDA 175-300.	Architectural and decorative paints Plasters and renders
W	PROX® A 987	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.	Architectural and decorative paints Plasters and renders
CONVENTIONAL WETTING AND DISPERSING AGENTS FOR ORGANIC AND INORGANIC PIGMENTS			MAIN APPLICATIONS
S	SYNTHRO®-PON S 628	Wetting and dispersing agent for inorganic pigments and extenders especially designed to prevent flooding and floating. It reduces pigment sedimentation in industrial coatings.	Industrial coatings
S	SYNTHRO®-PON DB 50	Wetting and dispersing agent for solvent-based and solvent-free coating systems. Recommended for bentonite gels.	Industrial coatings Protective coatings
S	SYNTHRO®-PON DB 80	High solid version (80%) of SYNTHRO®-PON DB 50	Industrial coatings Protective coatings, Wood coatings
S	SYNTHRO®-PON 9 TD	Wetting and dispersing agent for pigments in solvent-based systems, with wide compatibility including nitro cellulose systems.	Industrial coatings Road marking paints

# PIGMENTS WETTING AND COMPATIBILIZERS



COMPATIBILITY AGENTS AND WETTING AGENTS			MAIN APPLICATIONS
W	SYNTHRO®-PON 9 TDK	Anionic wetting and dispersing agent for pigments in all standard water-based systems. Improves colour acceptance of universal colorants in base paints.	Architectural coatings Industrial coatings Wood coatings
S/W	SYNTHRO®-COMP 60 B	Additive to promote water acceptance in solvent-based systems. Excellent performance for metallic effect pigments stabilisation and orientation. FDA 175-300.	Industrial coatings Architectural coatings
S/W	SYNTHRO®-COMP 74	Additive to improve colour acceptance of universal colorants in base paints. Excellent wetting performances for inorganic and organic pigments. FDA 175-300.	Decorative coatings Industrial coatings



# DEFOAMERS



POLYSILOXANE BASED			MAIN APPLICATIONS
W	<b>MOUSSEX® S 9092</b>	VOC-free polysiloxane based defoamer for water-based systems, easy to incorporate and recommended for industrial coatings and Printing Inks. FDA 175-300.	Printing Inks Industrial coatings
W	<b>MOUSSEX® S 8044</b>	VOC-free modified polysiloxane based defoamer for water borne industrial, decorative coatings and printing inks, and also suitable for pigments concentrates. Good compatibility and excellent dispersibility.	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.	Decorative paints Wood & Industrial coatings
S	<b>MOUSSEX® 388 SL</b>	VOC-free polysiloxane based defoamer for solvent and solvent-free coatings, especially for flooring applications, combining strong defoaming properties with good levelling. FDA175-300.	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. FDA 175 300.	Industrial & Wood coatings Printing Inks – Can coatings Epoxy & PU flooring
S	<b>MOUSSEX® 3156 SL</b>	Anti-foaming and degassing agent modified polysiloxane based for industrial coatings, especially designed for general industry paints, flooring applications epoxy and PU 2K based and radiation curing systems.	Industrial coatings Epoxy & PU flooring UV and radiation curing.
SILICONE-FREE			MAIN APPLICATIONS
W	<b>MOUSSEX® 7134 HE</b>	VOC-free mineral oil based defoamer for water-based coatings. Highly efficient and easy to incorporate.	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.	Architectural & Decorative paints
W	<b>MOUSSEX® 7141 HL-V</b>	VOC free 100 % active vegetable oil based defoamer for water-borne coatings and printing inks. FDA 175-300.	Decorative paints, Printing Inks
W	<b>MOUSSEX® 7143 HE-V</b>	VOC free vegetable oil emulsion based defoamer for water-borne coatings and printing inks. FDA 175-300.	Decorative paints, Printing Inks
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.	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.	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. 80% solid in aromatic solvent.	Industrial coatings Can coatings, Coil coatings Composites(UP)

# ANTI-FLASH RUST - CORROSION PROTECTION



ANTI FLASH-RUST		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.
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.



# RHEOLOGY MODIFIERS

RHEOLOGY MODIFIERS FOR WATER BORNE COATINGS		MAIN APPLICATIONS
W	<b>SYNTHRO®-THIX 618</b>	Acrylic non-associative 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.
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.
W	<b>SYNTHRO®-THIX 633</b>	Hydrophobic acrylic associative thickener for water based formulation, which develops high viscosity (HASE type). It is specifically designed for salts/ electrolytes and surfactants high levels containing formulations.

RHEOLOGY MODIFIERS FOR SOLVENT BORNE COATINGS		MAIN APPLICATIONS
S	<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.
S	<b>SYNTHRO®-THIX 905 S</b>	Liquid rheological additive for solvent-based systems NMP-free, from medium polar to high polar systems. Strong anti-sagging properties and easy to incorporate.
S	<b>SYNTHRO®-THIX 928 S</b>	Liquid rheological additive for solvent-based systems NMP-free and DMSO-free, from medium polar to high polar systems. Strong anti-sagging properties and easy to incorporate.



# STABILIZERS, SCAVENGERS, TANINS BLOCKER, ANTI-RELEASE



pH STABILIZER – ANTI-FREEZING			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.	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.	Architectural & decorative coatings

ALDEHYDE SCAVENGERS			MAIN APPLICATIONS
W	<b>SYNTHRO®-STAB TF 278</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.	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.	Architectural coatings Construction Materials
W	<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.	Industrial solvent borne coatings Wood coatings, plastic coatings Solvent-borne resins systems.

TANINS BLOCKER			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.	Wood primers industrial or DIY Wood decorative coatings

# CATALYSTS AND CROSS-LINKERS



CATALYSTS AND CROSS LINKERS			MAIN APPLICATIONS
S	ACTIRON® NX3 LC	Catalyst for epoxy and PU at low temperature and high humidity conditions. FDA 175-300.	Protective coatings, Floorings Industrial coatings
W	SYNTHRO®-CAT Z	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.	Printing Inks, Industrial coatings Architectural coatings
W	PROX® LTQS	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.	Architectural coatings, Exterior Thermal Insulation, Systems

ACID CATALYSTS FOR STOVING SYSTEMS, COIL COATINGS, INDUSTRIAL COATINGS			MAIN APPLICATIONS
S/W	ACTIRON® NX 458	Non labelled amine blocked DDBSA catalyst for stoving systems, designed for OEM automotive, coil coatings and high solid systems in general industry. 25 % acid in propane 1-2 diol.	Coil coatings, Industrial coatings Automotive coatings OEM
S/W	ACTIRON® NX 459	High concentrated amine blocked pTSA catalyst for stoving applications. Recommended for polyester systems and epoxy, especially for coil coatings applications. High reactivity. Highly concentrated. 31% acid in n-Butanol.	Coil coatings Industrial coatings
S/W	ACTIRON® NX 460	Non labelled amine blocked pTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. 22,5 % acid in propane 1-2 diol.	Coil coatings, Industrial coatings Automotive coatings OEM
S/W	ACTIRON® NX 462	Non labelled amine blocked pTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. 26 % acid in Isopropanol / n-propanol	Coil coatings, Industrial coatings Automotive coatings OEM
S/W	ACTIRON® NX 465	Non Labelled and 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. 27% acid in propane 1-2 diol.	Coil coatings Industrial coatings
S/W	ACTIRON® NX 466	Non labelled amine blocked pTSA catalyst for stoving applications, suitable for solvent and water borne systems. High reactivity. 25 % acid in Isopropanol.	Coil coatings Industrial coatings

# FIRE RETARDANTS, CONDUCTIVITY AGENT



FIRE RETARDANTS		MAIN APPLICATIONS
W	<b>SYNTHRO®-NYL 460</b> Halogen, bromide and VOC-free liquid fire retardant. 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.	Architectural & decorative coatings Roof coatings
W	<b>SYNTHRO®-NYL NP 2720 S</b> Halogen, bromide and VOC-free liquid fire retardant. Good compatibility in cationic and non ionic emulsions. Non yellowing and compatible with water repellent. Suitable for wood treatments. Not recommended for anionic systems.	Wood pre-treatments
CONDUCTIVITY AGENTS - ANTI-STATIC		MAIN APPLICATIONS
S/W	<b>SYNTHRO®-STAT CC B</b> Conductivity and anti-static agent. Suitable for water and solvent-based systems.	Industrial coatings Automotive coatings OEM

# WATER REPELLENTS & WAX DISPERSIONS



WAX DISPERSIONS AND WATER REPELLENTS		MAIN APPLICATIONS
W	<b>SYNTHRO®-WAX PE-L 305 D</b> Low density polyethylene wax dispersion, VOC-Free, improves slip effect of surface coatings. FDA 175-300	Wood coatings Printing Inks
W	<b>SYNTHRO®-WAX NC 402 D</b> Carnauba type 3 wax non-ionic emulsion for water borne coatings. It provides anti-blocking and abrasion resistances properties. FDA 175-300	Wood coatings Printing inks
W	<b>SYNTHRO®-PEL PA</b> Paraffin modified acrylic based water repellent agent 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.	Wood coatings, Printing inks, Architectural coatings
W	<b>SYNTHRO®-PEL WA 491</b> Paraffin modified acrylic based water repellent agent for coatings and inks. Increase the barrier resistance to vapor. Good compatibility, low viscosity. No haze in clear coat. FDA 175-300	Printing Inks, Architectural coatings Wood coatings
W	<b>SYNTHRO®-PEL WA 495</b> Paraffin modified acrylic based water repellent agent for coatings and inks. Increase the barrier resistance to vapor. Good compatibility, low viscosity. No haze in clear coat. FDA 175-300.	Printing Inks Wood coatings
W	<b>SYNTHRO®-PEL B 67</b> Water, oil and grease repellent based on paraffin-free and fluorine-free modified polymeric core-shell acrylic based. It acts also as vapor barrier.	Architectural paints Façades and stones paints Printing Inks
W	<b>SYNTHRO®-PEL CFF</b> 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.	Wood coatings, Can coatings, Printing Inks Decorative coatings

# ADHESION PROMOTERS



ADHESION PROMOTERS FOR WATER BORNE AND SOLVENT BORNE COATINGS			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.	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	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.	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	Industrial metal coatings, Plastic and Wood coatings, Decorative coatings on ceramics and concretes.
S/W	CHARTWELL® B-512.1/2 H	Primary amino functional metal organic complex in solution in ethylene-glycol, for solvent borne applications based on epoxy, PU 2K, alkyds, polyesters. For cationic water borne systems and VAE emulsions and water borne phenolic resins systems.	Industrial metal coatings, Plastic coatings, Protective 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.	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.	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.	Industrial metal coatings, Wood primers and deck coatings. Glass coatings and 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.	Coil coatings, water and solvent borne industrial coatings on metals.
S/W	SYNTHRO®-SET TS 085	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	Printing Inks

# WATER BORNE RESINS EMULSIONS



ACRYLIC EMULSIONS AND DISPERSIONS			MAIN APPLICATIONS
<b>ANIONIC RESINS</b>			
W	PROX® AM 152	Anionic Acrylic functional dispersion binder for temporary protective coatings. Alkali soluble. Carboxy functional: can cross-link with epoxy or melamine resin for permanent coatings. FDA 175-300.	Industrial coatings, Metal protection temporary coatings, Printing Inks
W	PROX® AM 157	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.	Road marking paints Industrial coating on metal Anticorrosion primers
W	PROX® AM 164 RS	Anionic Acrylic resin in emulsion for exterior architectural water borne coatings. Good hardness and resistance to water. Compatible with sodium silicate.	Architectural coatings Flooring coatings and varnishes
W	PROX® AM 185 RS	Anionic Acrylic resin in emulsion for industrial coatings on metals. Resistant to solvents. Excellent surface hardness. FDA 175-300.	Printing inks and OVP Industrial coatings on metal Wood coatings
W	PROX® ACW 650	Special anionic acrylic modified resin in emulsion for anticorrosion water borne coatings. It gives strong anticorrosion performances as sole or co-binder.	Medium duty, anticorrosion primers, Industrial DTM coatings
<b>NON IONIC RESINS</b>			
W	PROX® AMN 317 R	Non ionic acrylic / acrylonitrile copolymer emulsion. Soft and low hardness film. Good resistant to solvents. FDA 175-300.	Industrial coatings, Wood coatings Rubber coatings & varnishes Over print varnishes
W	PROX® AMN 360 R	Non ionic acrylic / acrylonitrile copolymer emulsion. High hardness film. Very good resistant to solvents. FDA 175-300.	Industrial coatings, Wood coatings
W	PROX® AM 355	Non ionic acrylic copolymer emulsion. Good stability in alkaline medium, compatible with plasters, cements and calcium carbonate. Good water resistance. Mat film, medium hardness.	Architectural & decorative coatings Plasters and renders
<b>AMPHOTERIC AND CATIONIC RESINS</b>			
W	PROX® SBP 604	Cationic core-shell acrylic emulsion for Stain Blocking Primers. Water borne primers based on PROX® SBP 604 present excellent blocking properties against stains such as ink markers, coffee, nicotine, oily stains, etc.	Architectural & decorative coatings
W	PROX® AM 234	Amphoteric core-shell 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.	Architectural & Decorative coatings Primers on metal, Metallic coatings Coil coating pre-treatment,

# WATER BORNE RESINS EMULSIONS

STYRENE-ACRYLIC EMULSION		MAIN APPLICATIONS
<b>W</b>	<b>PROX® AMS169</b> Carboxylated non ionic styrene acrylic copolymer emulsion. Produces a hard and glossy film, with high brightness. Crosslinker for epoxy. Can also crosslink with melamine resins. Good abrasion resistance. Acid and alkali resistance. Excellent adhesion. Designed for Primers for concrete, floor, metal, ceramics tiles. Good corrosion resistance.	Architectural Coatings Primers for concrete Industrial metal coatings
EPOXY EMULSION		MAIN APPLICATIONS
<b>W</b>	<b>PROX® EB 9913 C</b> Aqueous emulsion of epoxy resin, with very high molecular weight. Grade 9. EEW > 3000. Self cross-linkable at 160° C. Low VOC. It can also 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® AMS 169 or PROX® AM 152. Can also be used as binder in ambient curing systems in combination with isocyanate cross-linkers.	Industrial coatings Metal coatings Glass coatings
POLYURETHANE EMULSION		MAIN APPLICATIONS
<b>W</b>	<b>PROX® R 908</b> Anionic VOC-free PU emulsion 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.	Industrial coatings Metal, Plastic and Wood 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® 2 MI 20 P</b>	Highly reactive catalyst and hardener for epoxy systems, based on 2 Methyl imidazole. Suitable for low cure temperature. High reactivity. Recommended for Hybrid, Epoxy/dicyandiamide, Polyester/TGIC and Polyester/PT 910 type.	Powder coatings for Interior and Exterior applications Low cure temperature powder coatings. Pipes coatings
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. FDA 175 300. Recommended for epoxy and polyurethane resin systems, and also hybrid systems.	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.	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.	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.	Powder coatings for Interior and Exterior applications



# WORLDWIDE MAIN LOCATIONS

## AMERICA

Brazil - PROX DO BRAZIL  
 USA - MACE POLYMERS & ADDITIVES Inc.  
 USA - NORTHERN SPECIALTY CHEMICALS Inc.  
 USA - PROX-CHEM AMERICA Inc.

## ASIA

China - GUANGDONG PROX CHEM  
 China - SHANDONG PROX CHEM  
 China - SUZHOU PROX CHEM  
 Hong Kong - PROX-ASIA Ltd  
 Indonesia - PT PRODIAN CHEMICALS  
 South Korea - PROTEX KOREA Co Ltd  
 Taiwan - HERZER Co. Ltd  
 Thailand - THAIPROX Ltd

## EUROPE

Austria - PROTEX WARENHANDELS GmbH	Netherland - PROTEX NEDERLAND BV
Belgium - PROTEBEL	Portugal - PROX LDA
Denmark - PROX KEMI APS	Spain - QUIMOPROX S.L.
France - SYNTHRON	Sweden - PROTEX SVERIGE AB
Germany - PROTEX EXTROSA	Switzerland - PROTEX-CHIMIE S.A.
Italy - PROXITALIA PRODOTTI CHIMICI Srl	United Kingdom - PROTEX CHEMICALS Ltd

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