



SYNTHRON

MEMBER OF PROTEX INTERNATIONAL

PRODUCT list



**ADDITIVES FOR
THE SPECIALTY
CHEMICALS
INDUSTRY**

YOUR ADVANCED SOLUTIONS PARTNER



OUR MARKETS



Flooring



Lubricants



Cleaners



PU foams



Adhesives



Liquid waterproofing systems



Anti-corrosive protection



Composites

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DEFOAMERS AND ANTIFOAMS

POLYSILOXANE BASED			Main applications
W	MOUSSEX® 9157 SE	Non-ionic emulsion. Easy to incorporate with very efficient knock-down, good stability over a wide range of pH.	Liquid fertilizers. Cleaners.
W	MOUSSEX® 9092 SE	Non-ionic emulsion. Easy to incorporate.	Cleaners. Liquid fertilizers.
W	MOUSSEX® 8044 SE	Self-emulsifying defoamer. Easy to incorporate under high shear conditions, highly efficient.	Construction.
S	MOUSSEX® 388 SL	100% active matter. Highly efficient for high solids or solvent-based systems.	Phytosanitary. Flooring.
S	MOUSSEX® S 667	Silicone based in solvent. Versatile defoamer for polyurethane or epoxy formulations.	Flooring, castings. Construction.
P	MOUSSEX® 319 SP	Powder based. Strong air release agent.	Grouts, screeds. Phytosanitary.

SILICONE-FREE			Main applications
W	MOUSSEX® 3130 HL	Concentrated mineral oil. Versatile in a wide range of formulations.	Plasters. Adhesives. Metalworking fluids.
W	MOUSSEX® 7134 HE	Non-ionic mineral oil emulsion. Easy to incorporate.	Plasters, adhesives Liquid fertilizers.
W	MOUSSEX® 9032 CL	Mixture of mineral and vegetable oil defoamer. Very efficient in acidic pH.	Plasters. Adhesives. Metalworking fluids.
W	MOUSSEX® 7141 HLV MOUSSEX® 7155 HE-V	Concentrated vegetable oil based. Vegetable oil emulsion based.	Liquid fertilizers. Adhesives.
S	MOUSSEX® C 403	Polymeric based air release additive.	Composites.
S	MODAREZ® MFO 60 SN	Polyacrylate based air release additive. Suitable for oil based on Group I, II, III.	Lubricants.
S	MODAREZ® MFP P40	Polyacrylate air release. Suitable for oil based on Group I, II, III.	Lubricants.
P	MOUSSEX® 3032 HPF	Powder air release additive. General air release for cement based formulations.	Construction.

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WETTING AND DISPERSING AGENTS

POLYMERIC WETTING AND DISPERSING AGENTS			Main applications
W	PROX® A 11 PROX® B 03	Sodium salt of polyacrylate. Ammonium salt of polyacrylate. Suitable for inorganic fillers.	Liquid fertilizers. Plasters. Cleaners.
W	SYNTHRO®-PON W 578	High molecular weight polymeric dispersant for inorganic particles. Strong wetting and stabilization properties.	Liquid fertilizers. Cleaners.
W	SYNTHRO®-PON W 597	High molecular weight polymeric dispersant for inorganic particles. Wide compatibility.	Ceramics.
W	SYNTHRO®-PON W 681	Biodegradable wetting and dispersing agent. Strong stabilization of insoluble micronutrient	Liquid fertilizers. Cleaners.
S	SYNTHRO®-PON S 656	High molecular weight polymeric dispersant for unsaturated polyester. Recommended for fillers and minerals.	Composites.
S	SYNTHRO®-PON S 670	High molecular weight polymeric dispersant for unsaturated polyester. Recommended for carbon black and carbon fibers.	Composites.

WETTING AGENTS			Main applications
W	SYNTHRO®-PON 9 TDK	Wetting agent for dispersions and slurries. Improves wetting properties.	Liquid fertilizers.
W	SYNTHRO®-PON LFW	Low Foaming Wetting additive. Does not stabilize foam.	Metalworking fluids. Cleaners.
W	SYNTHRO®-PON 6TD SYNTHRO®-PON 9 TD SYNTHRO®-PON 23 B	Phosphoric ester surfactant, 6 EO. Phosphoric ester surfactant, 9 EO. Alkoxylated phosphoric ester surfactant.	Lubricants. Metalworking fluids. Cleaners.
W	MODAREZ® SW 452	Hyper-wetting agent that strongly reduces surface tension. Highly efficient for wetting most substrates.	Liquid fertilizers. Cleaners.

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RHEOLOGY MODIFIERS

LIQUID RHEOLOGY MODIFIERS			Main applications
W	SYNTHRO®-THIX 301	Pre-neutralized ASE polyacrylate polymers. Good rheological stability.	Adhesives.
W	SYNTHRO®-THIX 618	ASE polyacrylate based thickener. Anti-settling behavior.	Cleaners. Liquid fertilizers.
W	SYNTHRO®-THIX 633	HASE polyacrylate based thickener. Anti-settling and anti-sagging. Very good stability at different pH.	Plasters. Liquid fertilizers. Cleaners.
S	SYNTHRO®-THIX 905 S	Liquid rheology modifier for low to high polarity solvent-based systems, supplied in DMSO. Very good anti settling and anti sagging properties.	Polyurethanes. Liquid waterproofing systems.
S	SYNTHRO®-THIX 928 S	Liquid rheology modifier for low to high polarity solvent-based systems; supplied in NBP (n-butyl pyrrolidone). Very good anti settling and anti sagging properties.	Polyurethanes. Liquid waterproofing systems.

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ASE = Alkali Swellable Emulsion

HASE = Hydrophobically modified Alkali Swellable Emulsion



ALDEHYDE SCAVENGERS

FORMALDEHYDE AND ACETALDEHYDE SCAVENGERS			Main applications
W	SYNTHRO®-STAB TF 501	Liquid scavenger to reduce formaldehyde emissions from substrates or improve indoor air quality (IAQ). Highly efficient formaldehyde depollution.	Plasters. Polyurethane foams.
W	SYNTHRO®-STAB TF 278	Liquid acetaldehyde and formaldehyde scavenger. Easy to incorporate in neutral to alkaline pH.	Polyurethane foams. Leathers.
W	SYNTHRO®-STAB TF 275	Liquid acetaldehyde and formaldehyde scavenger. Stable in acidic pH.	Adhesives.
S	SYNTHRO®-STAB TF 276	Liquid formaldehyde scavenger. Compatible in solvent-based systems.	Adhesives.
P	SYNTHRO®-STAB TF 291 P	Powder based formaldehyde and acetaldehyde scavenger. Free flowing powder soluble in water.	Plasters. Plastics.
S/W	SYNTHRO®-STAB TF 658	Liquid polymeric based formaldehyde scavenger. Highly concentrated product for water-based and solvent-based systems.	Polyurethane foams.

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WATER REPELLENTS

MODIFIED POLYMERIC WATER REPELLENTS			Main applications
W	SYNTHRO®-PEL WA 491	Modified acrylic based polymer. Increases vapour barrier resistance. Good compatibility.	Plasters. Adhesives.
W	SYNTHRO®-PEL WA 494	Modified acrylic based polymer. Oil repellent, good compatibility.	Plasters. Adhesives.
W	SYNTHRO®-PEL PA	Water repellent based on modified paraffin wax. Improves water resistance and washability. Wide compatibility with binders.	Plasters. Adhesives.
W	SYNTHRO®-PEL B 67	Core-shell technology polymer. Allows high gloss and transparency.	Plasters. Adhesives.
W	SYNTHRO®-PEL CFF	Hybrid PUD / acrylic polymer based. Excellent UV and abrasion resistance.	Renderers. Adhesives.

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FIRE RETARDANTS

WATERBASED FIRE RETARDANTS			Main applications
W	SYNTHRO®-NYL SNP 1813 S	Liquid flame retardant. Reduces the concentration of molecular oxygen and creates a char.	Insulation materials.
W	SYNTHRO®-NYL 460	Liquid flame retardant Reduces the concentration of molecular oxygen and creates a char.	Insulation materials.
W	SYNTHRO®-NYL SN 2017 S	Ammonium-free liquid flame retardant. Good compatibility with many binders.	Wood fire protection.
W	SYNTHRO®-NYL NP 2720 S	Ammonium-free liquid flame retardant. Organo-phosphorus based product with better water resistance.	Insulation materials.

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ADHESION PROMOTERS

COVALENT BONDING ADDITIVES TO INCREASE BINDER-SUBSTRATE ADHESION			Main applications
W	CHARTWELL® B-515.71 W	VOC-free primary amino functional metal organic complex. Suitable for acrylic and styrene-acrylic dispersions, epoxies and PUDs.	Adhesives. Flooring. Sizing solutions.
W	CHARTWELL® B-515.71 WM	VOC-free stabilized pre-neutralized primary amino functional metal complex. Suitable for acrylic and styrene-acrylic emulsions, epoxies and PUDs.	Adhesives. Sizing solution.
W	CHARTWELL® B-515.1 WH	VOC-free primary amino functional bi-metallic organic complex. Suitable for VAE emulsions, cathodic e-coat and cationic systems.	Acrylic adhesives. Plasters.
S/W	CHARTWELL® C-515.71 HR	Primary amino functional metal organic complex in solution in propylene glycol. Suitable for Epoxies, PU 2K and most water-based binders.	Industrial adhesives. Flooring.
S/W	CHARTWELL® C-515.72 HRX	Primary amino functional metal organic complex in solution in propylene glycol. Suitable for Epoxies, PU 2K and most water-based binders.	Industrial adhesives. Sizing solutions. Insulation material.
S/W	SYNTHRO® BOND AP 811	Phosphoric ester epoxy modified polymer. Improves adhesion by enhancing flexibility on substrates, without affecting surface hardness.	Industrial adhesives. Anticorrosive protection.

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RESINS

ACRYLIC			Main applications
ANIONIC			
W	PROX® AM 152	Anionic binder for temporary alkali soluble films. Crosslinks with epoxy or melamine resins for permanent films.	Metalworking fluid. Temporary film.
W	PROX® AM 164 RS	Anionic binder for exterior applications. Good hardness and resistance to water. Compatible with sodium silicate.	Silicate renders. Anticorrosive protection.
W	PROX® AM 185 RS	Anionic binder for industrial coatings and ceramics. Good chemicals resistance.	Ceramics. Anticorrosive protection.
W	PROX® ACW 650	Special anionic acrylic modified binder for anticorrosion applications. Provides strong anticorrosion performance.	Metal protection. Anticorrosive protection.
NON IONIC			
W	PROX® AM 355 G	Non-ionic acrylic copolymer binder. Good stability in alkaline media, compatible with gypsum and cements.	Plasters and renders. Plasterboard.
CATIONIC			
W	PROX® SBP 604	Cationic core-shell acrylic binder for stain blocking primers. Excellent blocking properties against stains such as ink markers, coffee, nicotine, oil and grease.	Renders. ETICS/ EIFS.
EPOXY			
W	PROX® EB 9913 C	High molecular weight epoxy binder. Grade 9. EEW > 3000. Self cross-linkable at 160° C. Crosslinks with amino and phenolic resins or carboxyl functional water-based acrylic polymers.	Abrasives. Metal protection.
POLYURETHANE			
W	PROX® R 908	Anionic VOC-free PU dispersion. Excellent balance between hardness, flexibility and abrasion resistance. Good adhesion on plastics, metals, wood , glass fiber. Excellent UV and weathering resistance.	Plastic protection. Liquid waterproofing membrane.
QUICK SET ADDITIVE			Main applications
W	PROX® LTQS	Liquid polymeric additive for faster drying of water-based formulations. Easy to post-add. Wide compatibility with binders. Non yellowing product.	Binder containing water-based formulations.

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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 - SINO PROX Chemicals GAOYAO Ltd
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	Netherlands - 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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