

Product Catalogue

Technical coatings for industrial application



February 2016

x-tec® Corrosion protection

Coatings free from chromium with metal pigments for the protection of steel

- Zinc containing coatings for cathodic corrosion protection

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-tec® eco 4042	Active corrosion protection on steel, cast iron, iron, silvery colour	Spraying	Water	50%	80..300°C	30 liter barrel, 200 liter barrel, IBC	Brake disks, cast iron parts, steel parts
x-tec® eco black 4048	Active corrosion protection on steel, cast iron, iron, black colour	Spraying	Water	60%	80..300°C	30 liter barrel, 200 liter barrel, IBC	Brake disks, cast iron parts, steel parts
x-tec® CO 4040	Active corrosion protection on steel, cast iron, iron, silvery colour, room temperature drying	Spraying, dipping, painting, aerosol spray	Xylene	56%	Room temperature to 300°C	30 liter barrel, 200 liter barrel, IBC	Cast iron parts, aerosol spray cans, paint, brake disks
x-tec® CO 4052	Active corrosion protection on steel, cast iron, iron, silvery colour	Dip-spin process	Xylene	50%	80..300°C	30 liter barrel, 200 liter barrel, IBC	Screws, nuts, bolts, washers, fasteners
x-tec® CO 4057	Active corrosion protection on steel, cast iron, iron up to 500°C	Spraying, dipping, painting,	Xylene	56%	Room temperature to 300°C	30 liter barrel, 200 liter barrel, IBC	Brake disks, cast iron parts, steel parts
x-tec® CO 4059	Active corrosion protection on steel, cast iron, iron, black colour, room temperature drying	Spraying, dipping, painting,	Xylene	56%	Room temperature to 300°C	30 liter barrel, 200 liter barrel, IBC	Brake disks, cast iron parts, steel parts

- varnishable zinc primer for coatings and powder coatings

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-tec® CO 4051	varnishable active corrosion protection on steel, iron, cast iron	Spaying	water	75%	130 bis 180°C	30 liter barrel, 200 liter barrel, IBC	active primer for powder coatings and paints

Prices on demand, curing times can vary, small quantities on demand, special products on demand

- Anti scale coatings for hardening and forming of steel

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
AlSi® Coat 4001	Anti scale up to 950°C, spot weldable, recoatable	Coilcoating, spraying	Butyl glykol	20%	PMT 200.. 250°C	200 L Barrel IBC	Anti scale for steel and parts for press hardening
x-tec® ZS 4037	Anti scale up to 950°C	Roller application, spraying, painting, aerosol spraying	White spirit 100/140	33%	RT..250°C	5 L Tin bucket	Anti scale for steel and parts for press hardening
x-clean® EC 2048 special product	Up to 1.000°C stable anti-adhesive coating	Roller application, spraying, painting, aerosol spraying	Isopropanol	20%	RT	5 L Tin bucket 30 L Hobbock	Reduces deposits on ceramic rolls in roller hearth furnaces

x-clean® Pre-cleaning for steel and iron

Environment friendly rust remover for steel and iron

Product name	Feature	Application	Solvent	Solid cont.	Residence time	Container	Use
x-clean® CO 4069	Removes rust, jellylike	Painting (Gel)	Water, pH 5-6	35%	30 min.. 8 hours	10 L container	Removal of flash rust and heavy rust, preparation for coating
x-clean® CO 4070	Removes rust, thin fluid	Dipping (Immersion bath) Dilutable up to 1:5 with water	Water, pH 5-6	33%	3- 12 hours	5 L canister 30 L canister	Removal of flash rust and heavy rust, preparation for coating

Prices on demand, curing times can vary, small quantities on demand, special products on demand

x-tec® Passivation

Transparent or pigmented, mostly scratch resistant coatings for the passivation of zinc-plated and aluminium surfaces

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-tec® CO 4060	Passivation for zinc or zinc sheet	Spraying, rolling, Coil Coating	High solid	100%	RT ... 250°C	200 L barrel IBC	For zinc, pre-weathered zinc , or aluminium (high gloss)
x-tec® CO 4046	Transparent corrosion protection for pre-weathered zinc	Coil coating	Ethanol, Isopropanol	33%	< 250°C	200 L barrel IBC	For zinc, pre-weathered zinc , or aluminium
x-clean® AF 4095	Transparent, scratch resistant corrosion protection for aluminium coil with anti fingerprint effect	Coilcoating	BG	30%	PMT 220°C	200 L barrel IBC	Aluminium coil , formable, weldable, inside and outside application

x-tec® Anti tarnish coatings

High temperature anti tarnish coating for stainless steel

Product name	Feature	Application	Solvent	Solid cont.	Curing	Conatiner	Use
x-tec® TP 4053	Anti tarnish coating for stainless steel up to 600°C, pigmentable	Spraying	Isopropanol	40%	250°C	200 L barrel IBC	End pipes , exhaust pipes, pressing irons etc.
x-tec® TP 4054	Anti tarnish coating for stainless steel up to 600°C	Spraying, dipping, rolling, flushing	Water	14%	250°C	200 L barrel IBC	Brushed stainless steel

Prices on demand, curing times can vary, small quantities on demand, special products on demand

x-clean® Antifingerprint

Antifingerprint for stainless steel and PVD surfaces by ultrathin highly resistant coatings

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® AF 4045	Antifingerprint for stainless and PVD surfaces	Spraying	Isopropanol, Butylglykol	17%	130..250°C	30 L canister 200 L barrel	Parts from stainless steel, sanitary, kitchen etc.
x-clean® AF 4021	Antifingerprint for stainless and PVD surfaces	Spraying	Water	8%	130..250°C	30 L canister 200 L barrel	Parts from stainless, sanitary , kitchen etc.
x-clean® AF 4089	Antifingerprint for stainless steel, formable, weldable	Coil coating	PNB, 1-Butanol	50%	PMT 250°C	IBC 200 L barrel	For the manufacturing of kitchens, household appliances, parts etc.

Prices on demand, curing times can vary, small quantities on demand, special products on demand

x-protect® scratch-resistant

Highly scratch-resistant protective paints for vehicles, polymer, lacquer and plastic surfaces

- Scratch resistant coatings

Product name	Feature	Application	Solvent	Solid content	Curing	Container	Use
x-protect® KR 3611	Transparent, scratch resistant, fast curing	Spin coating, Inkjet	1-Methoxy-2-Propanol	50%	UV	30 L canister 200 L barrel	For lenses, displays, polymers , indoor use
x-protect® KR 3037	Transparent, scratch resistant, UV or thermal curing	Spraying	Ethanol Butyl acetate	60%	UV, ≥ 180°C	30 L canister 200 L barrel	For lenses, displays, polymers , indoor use

x-view® Anti fogging

Clear view by anti fogging effect on glass and plastics

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-view® AB 1212	Temporary anti fogging effect	Rub up , spraying	Ethanol	2%	Room temperature	30 L canister 200 L barrel	Ski goggles, diving goggles, sports glasses, visors etc.

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x-clean® Cleaning efficiency

Easy-to-clean (ETC) and self cleaning surfaces

- Hydrophobizing

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® EC 1224	Unfluorinated, anti lime effect, Sanitary equipment	Rub up, spraying, Aerosol spray	Ethanol	< 1%	Room temp. ..200°C	IBC 200 L barrel	Hydrophobizing of glass, ceramics , painted surfaces
x-clean® EC 1272	Fluorinated, anti grease effect, kitchen, rain repellent	Rub up, spraying, Aerosol spray	Isopropanol	1%	Room temp. ..300°C	30 L canister 200 L barrel	Hydrophobizing of glass, ceramics , painted surfaces

- Self-cleaning, photocatalysis

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® PK 3033	Self-cleaning on painted surfaces and glass (industrial)	Spraying, Coilcoating	Butylglykol, 1- Butanol	6%	PMT 130..200°C	IBC 200 L Barrel	External painted surfaces, coil, polymers, facades , aluminium
x-view® PK 1016	Self-cleaning on glass (DIY)	Rub up, spraying	Water	1%	Room temperature	30 L canister 200 L barrel	External, solar collectors, panes etc.

- Nanostructured, superhydrophilic self-cleaning silicate layers

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-tec® HP 4014	Self-cleaning on painted surfaces and aluminium	Spraying , coil coating	Water	5%	130..250°C	IBC 200 L barrel	Outdoor and indoor, facades, balconies, aluminum chillers
x-tec® HP 4015	Self-cleaning on painted surfaces and aluminium	Coilcoating , spraying	Butylglykol	5%	PMT 180°C..250°C	IBC 200 L barrel	Outdoor and indoor, facades balconies, alum. Chillers etc.

Prices on demand, curing times can vary, small quantities on demand, special products on demand

- Coatings for concrete

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-protect® EC 7003	Concrete coating, transparent dirt-repellent	Coilcoating , spraying, rolling	High Solid	> 90%	UV	IBC 200 L barrel	Concrete stones
x-protect® EC 7047	Concrete coating, dirt-repellent, pigmentable	Rolling , spraying	High Solid	> 90%	Room temperature	IBC 200 L barrel	Concrete stones, cement and plastering , facades and plains R10
x-protect® EC 7048	Concrete coating, dirt-repellent, matt	Rolling , spraying	High Solid	> 90%	Room temperature	IBC 200 L barrel	Concrete stones, cement and plastering , facades and plains R10
x-protect® EC 7050	Concrete coating, dirt-repellent, slip resistant	Rolling , spraying	High Solid	> 90%	Room temperature	IBC 200 L barrel	Concrete stones, cement and plastering , facades and plains R12

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x-clean® Impregnations

Efficient protection against staining

- Stone and concrete impregnation

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® EC 7086	Stain protection , dirt-repellent, transparent, fluorinated	Rolling, spraying	Water	10%	Room temperature .. 200°C	30 L canister 200 L barrel	Concrete surfaces, stone and natural stone surfaces

- Textile and leather impregnation

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-tex® EC 5028	Stain protection , hydro- and oleophobic	Spraying, rolling, foulard	Water	1%	Room temp. .. 200°C	IBC 200 L barrel	Dirt-repellent textile and leather finishing
x-tex® EC 5029	Stain protection , hydro- and oleophobic, concentrate	Spraying, rolling, foulard	Water, dilutable	20%	Room temp. .. 200°C	IBC 200 L barrel	Concentrate for textile and leather finishing

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x-tec® Catalysis

Nanostructural highly efficient catalyst technology

- Silicate-based catalysts for soot combustion

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® CA 2461	Efficient soot catalyst based on silicon dioxide (from 300°C on)	Dipping (Immersion bath)	Water	24%	130 .. 500°C	IBC 200 L barrel	Diesel soot filter (ceramic)
x-clean® CA 4083	Transparent coating for soot combustion (from 300°C on)	Spraying, flow coating	Water	23%	130 .. 500°C	30 L canister 200 L barrel	Stainless steel, Exhaust gas recycling cooler, fireplace glass panes etc.

- Nanostructural catalysts for electrocatalysis

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean CA 4084	Effective electrocatalysis for electrolytic processes	Spraying, dipping, rolling	Water	9%	130°C .. 250°C	30 L canister 200 L barrel	Coating for titanium electrodes for chlorine catalysis etc.

- Heavy-metal free oxidation catalysis

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-clean® CA 4287	Heavy-metal free oxidation catalysis	Dipping (immersion bath)	Water	15%	130-250°C	30 L canister 200 L barrel	Catalytic reburn , chemical processes

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x-tec® Energy

Heat absorbent coatings

Product name	Feature	Application	Solvent	Solid cont.	Curing	Container	Use
x-coat® black 4002	Heat absorbent black coating with food approval	Coilcoating, spraying on aluminium coil	Isopropanol	20%	PMT 200°C	IBC 200 L barrel	Disposable barbecue dishes, aluminium foil, aluminium packaging
x-coat® black 4005	Heat absorbent, black, temperature-stable up to 500°C	Coilcoating, Aluminium coil	Ethanol	55%	PMT 200°C	30 L canister 200 L barrel	Headlamp diffusers, facade, solar collector etc.

x-form® Demoulding agent

Demoulding coating

Product name	Feature	Applikation	solvent	Solid cont.	Curing	Container	Use
x-form® EC 4006	Durable demoulding coating for steel tools	Spraying	Butylglykol Isopropanol	15%	80-250°C	30 liter can 200 L barrel	Demoulding of polymers and natural fibers

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NANO-X GmbH

**Raw materials for coatings industry (SiliXan GmbH,
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Concluding remarks:

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