



IMPACOR

IMPAGUARD[®]
surface nano protection

CATALOG OF IMPACOR PRODUCT

ANTI-CORROSION PROTECTIONS,
COLD PHOSPHATING, GALVANIZING,
PASSIVATION, CONVERTER AND RUST
TRANSFORMER

CORROSION PROTECTION AND PASSIVATION OF SANDBLASTED METAL SURFACES

Impaclean AQUA C 316

Rinse-free phosphate anti-corrosive concentrate for medium and high pressure applications

IMPACLEAN AQUA C 316 is an effective rinse-free phosphate remover and PRIMER with a phosphating and cleaning effect. Ideal for cleaning and passivation of rust on rusted surfaces, acts as a PRIMER on freshly galvanized metal structures, components, etc. Designed to provide rinse-free phosphate stopping while converting rust and to increase paint adhesion and extend paint life.

C 316 phosphate stripper (concentrate diluted 1:5) protects against rust in the indoor environment for a **minimum of 84 hours before subsequent treatment** (painting, varnishing, etc.) and in the outdoor environment for a minimum of 60 hours. The treatment of the surface of steel structures with C 316 anti-corrosion agent, **especially in the wet application process**, is an effective method of protection against flash corrosion.

Tested by the University of West Bohemia in Pilsen, Faculty of Applied Sciences, Department of Mechanics, Faculty of Civil Engineering. Freshly galvanized surfaces treated with C 316 can be painted without the use of additional primer. The protective coating by phosphating reinforces the defenses of other metals (iron, cast iron) against subsequent corrosion at the same time as subsequent surface treatments or coatings.

C 316 replaces toxic, corrosive and harmful products. It provides highly effective and economical protection on surfaces such as steel roofs, structures, protective parts, skeleton parts, industrial parts, car bodies and chassis, etc. It is used on all ferrous metals - steel, iron, galvanized steel. Provides more effective protection than conventional rust removal and priming. Ideal for high pressure applications.

Base: aqua Ultra concentrate



5 l, 20 l, 200 l

Impaguard HCA-C

Degreasing, cutting and passivating fluid

HCA-C is a liquid containing organic PHOSPHATE components to bind rust in such a way that it stops corrosion, simultaneously degreases without residue and forms a protective PRIMER coating. Thus, corrosion is chemically stopped and the formed protective coating also strengthens the defences of other metals (iron, cast iron) against subsequent corrosion due to cold phosphating.

HCA-C passivation fluid protects against corrosion for a minimum of 84 hours in the indoor environment and for a minimum of 60 hours in the outdoor environment before subsequent treatment (painting, varnishing, etc.). **IMPASOL HCA-C, which is ideal after dry sandblasting, provides protection against flash corrosion for a minimum of 48 hours.**

Tested by the University of West Bohemia in Pilsen, Faculty of Applied Sciences, Department of Mechanics, Civil Engineering.

Freshly galvanized surfaces treated with this product can be painted without the use of additional primer or reaction paint. It significantly extends the life of the paint applied to the treated surface.

HCA-C is a safe, non-flammable, degreaser, replacing gasolines and solvents. Removes dirt, oils, lubricants, designed specifically for surface preparation prior to further application. Provides highly effective and economical protection on surfaces such as steel roofs, structures, protective parts, skeletal parts, industrial parts, automotive bodies and chassis, etc. It is used on all ferrous metals - steel, iron, galvanized steel. Designed for manual, low and medium pressure cold applications.

Base: aqua/solvent

Safe product without CLP symbols.



5 l, 20 l, 200 l

DEGREASING PHOSPHATE PRIMER FOR WET SANDBLASTING OF METALS

Impaclean AQUA C 320 concentrate Degreasing, stripping and phosphate primer for wet sandblasting of metals

AQUA C 320 is a clear liquid containing organic ingredients to bind rust and phosphate so that it immediately stops corrosion while degreasing and creating a protective phosphating coating. The phosphate primer is designed for wet sandblasting for perfect cleaning, degreasing, instant rust passivation even on rusted surfaces.

It immediately forms a phosphate coating on the surface and immediately protects against the formation of corrosion (oxidation). Provides extended life and increased paint adhesion without the risk of corrosion after sandblasting.

AQUA C 320 phosphate primer in a mere 5% solution added to the pressurization of high pressure sandblasting equipment during wet abrasive blasting provides protection against flash corrosion prior to subsequent finishing (staining, painting, etc.) for a minimum of 48 hours.

Surface treatment of steel structures with IMPACLEAN AQUA C 320 wet sandblasting is a uniquely effective way to protect against flash corrosion. Tested by the University of West Bohemia in Pilsen, Faculty of Applied Sciences, Department of Mechanics, Faculty of Civil Engineering.

The protective phosphate coating, together with subsequent surface treatments or coatings, strengthens the resistance of other metals (iron, cast iron) to subsequent corrosion. It provides highly effective and economical protection on surfaces such as steel roofs, structures, protective parts, skeleton parts, industrial parts, car bodies and chassis, etc. It is used on all ferrous metals - steel, iron, galvanized steel.

Bases: aqua
Ultra concentrate



5 l, 20 l, 200 l



ANTICORROSIVE PROTECTION, RUST CONVERTER AND TRANSFORMER

KX KR

3in1 rust converter

KX KR is a cut-off, protection and base polymer paint. The rust converter has been developed to instantly convert rust within 15 minutes on heavily corroded surfaces to an extra durable black polymer.

In a single operation, it chemically converts rust into a polymer film, creates a surface finish and then protects the steel. **Ideal for paint finishing without further treatment.** A protective black polymer paint is formed on the surface, the surface becomes hygienic and dust-free. With its absolutely simple, fast, optically perfectly controllable conversion effect, it creates a protective polymer film that **protects the treated surface from subsequent soiling and rust in the long term.** Significantly increases the quality and durability of subsequent staining.

KX KR provides highly effective and economical protection on surfaces such as steel structures, protective parts, roofs, skeleton parts, industrial parts, car bodies and chassis, etc. It is used on all ferrous metals - steel, iron, galvanized steel. Provides more effective protection than conventional rust removal and priming.

Base: aqua



5 l, 30 l, 200 l

KX TR

Rust transformer

KX TR is a depth cutter with optical control. The Rust Transformer has been developed to instantly transform rust into a durable black polymer. Designed for **light to moderately corroded surfaces.** In a single operation within 30 minutes it converts rust into a polymer film, creates a black finish and then protects the steel.

Also ideal for preventive protection against oxidation. **Especially for subsequent paint treatment.** A protective black polymer film is formed on the surface, the surface becomes hygienic and dust-free. With its absolutely simple, fast, optically perfectly controllable transformation effect, **it protects the treated surface from subsequent contamination and rust** and significantly increases the lifetime of the subsequent surface protection (painting).

KX TR provides highly effective and economical protection on surfaces such as steel structures, protective parts, roofs, skeleton parts, industrial parts, car bodies and chassis, etc. It is used on all ferrous metals - steel, iron, galvanized steel. Provides more effective protection than conventional rust removal and priming.



Base: aqua

Absolutely safe product without CLP symbols.



5 l, 30 l, 200 l

PRESERVATIVE OILS AND WAXES WITH FLEXIBLE PROTECTION

KX 3

Preservative oil with permanent flexible protection

KX 3 is a **unique preservative oil with permanent elastic protection, extra adhesive on metals**. The product contains active moisture removing and repelling agents and corrosion inhibitors that act as corrosion prevention. KX 3 is **designed for short to medium term inter-operative protection of components and mechanisms, semi-finished and finished parts during storage and preservation of metal parts**. KX 3 restores electrical equipment that is exposed to moisture or has been flooded. It protects electrical equipment from water damage by removing moisture and protecting the surface from further exposure to moisture.

Base: oil



5 l, 30 l, 200 l

KX 10

Wax-based preservative oil with permanent elastic protection

KX 10 is a **unique wax-based preservative oil with permanent elastic protection, extra adhesive on metals**. The product contains active moisture removing and repelling agents and corrosion inhibitors that act as corrosion prevention. KX 10 is not intended for the preservation of surfaces that are exposed to direct weathering (must be protected by a shelter). **Corrosion test - salt chamber resistance - over 720 hours without corrosion**. KX 10 is designed for **intermediate-term protection of components and mechanisms, semi-finished products and workpieces during storage and preservation of metal parts**. KX 10 restores electrical equipment that is exposed to moisture or has been flooded. It protects electrical equipment from water damage by removing moisture and protecting the surface from further exposure to moisture.

Base: oil/wax



5 l, 30 l, 200 l

KX 100

Special preservative wax - 1056 hours without corrosion

KX 100 is a **special preservative wax against corrosion with permanent elastic protection, extra adhesive on vertical surfaces**. It is characterized by very low surface tension, guaranteeing surface protection with a long service life. It does not produce a greasy but dry surface. **ABSOLUTELY NON-IRRITABLE**, non-flammable, odourless, solvent-free. **Corrosion test - salt chamber resistance - over 1056 hours without corrosion. It is permanently resistant even to salt water, easily visible on application**. Designed for protection during storage and transport (including shipping) and for applications in the plastics, glass, molding, engineering, electronics and automotive industries where direct contact with lubricants or oils and machining emulsions may occur (no removal of KX 100 required). KX 100 is a clear, colorless, thick liquid free of silicone, phosphoric acid and chlorine!!! It has no photochemical reaction on the surface. It has minimal evaporation at maximum temperatures.

Base: wax



5 l, 30 l, 200 l

ANTICORROSIVE PROTECTION, COLD ZINC GALVANIZING

ZN METAL

Bright zinc nano MICROLAMEL cold electroplating

FLEXIBLE CORROSION PROTECTION WITH 5-YEAR WARRANTY

CORROSION TEST >2800h in the RI 5 salt chamber

PRODUCES A SHINY SURFACE

RESISTANT TO TEMPERATURES UP TO 550°C according to MIL AD 907

HIGH YIELD 8-10M2

FAST DRYING

Highly abrasion and pressure resistant

Extremely scratch and peel resistant

ZN METAL is developed as an industrial NANO MICROLAMEL preventive corrosion protection. Especially for repair and cold galvanizing even in high temperature environments. **It is not a paint, but a cold galvanization containing "zinc nanolamels", fully replacing hot-dip and galvanizing with EXTREME RESISTANCE AND LIFETIME.** A corrosion test in a salt chamber confirmed the high resistance of the product - over 2800h without corrosion. It therefore represents an ideal prevention against corrosion and oxidation.

Designed specifically for high temperature environments, it resists temperatures up to +550°C without degradation, protects against thermal and chemical corrosion. It has a very high covering capacity. It is fast drying, the galvanizing layer is formed in 20 minutes. It is characterized by high resistance to abrasion /e.g. bolted joints/. It contains corrosion inhibitors and zinc with 99.99% purity. It produces a layer with constant thickness, harmonious and glossy appearance, not requiring topcoat. This high quality protection is weldable. Simple and clean aerosol spraying replaces three work operations.

ZN METAL is intended for use in automotive transport /on car bodies, trucks, buses/, in railway transport, in engineering /on metal frames/. It is also suitable for repairing steel structures (roofs, stairs, galleries, footbridges, bridges, power line poles, etc.) or for protecting wooden parts permanently placed in the ground. Ideal for the surface treatment of traffic signs, industrial chimneys, pipes, joints, machine structures, motor heads, roof bolts, bolted joints, electric motors, pumps, water meters, metal hinges, air conditioners, metal structures, etc.

Base: solvent



Aerosol 500 ml



IMPACOR PROTECTION

	CONCENTRATION	ENVIRONMENT	APPLICATION	PROTECTION TIME	LONG-TERM PROTECTION TEST	
Impaclean Aqua C 316	16% (1/5)	Internal	pure iron, wet process	min. 84 hours	24 hours	1,3%
	16% (1/5)	Outdoor		min. 60 hours	840 hours	8,4%
Impasol HCA-C	It's not diluted	Internal	pure iron, wet process	min. 84 hours	Long-term corrosion protection test	
	It's not diluted	Outdoor		min. 60 hours		
	It's not diluted	Outdoor	after dry sandblasting	min. 48 hours	24 hours	1,5%
	It's not diluted	Outdoor	after dry sandblasting		840 hours	10%
The corrosion rate on the reference untreated sample after 24 hours is on average 61% and after 840 hours is 91%.						
Impaclean Aqua C 320	5%	Internal	wet sandblasting, slipping into water	min. 48 hours	Long-term corrosion protection test 5% concentration	
	5%	Outdoor			24 hours	0,3%
	10%	Outdoor			840 hours	2,4%
	BASE	PROTECTION	DESIGNED FOR			
KX 3	"oil with permanent elastic protection"	"3 months indoors"	inter-operative short- to medium-term protection even for electrical equipment, displaces water and moisture			
KX 10	oil with wax-based and with permanent elastic protection	10 months in indoors 30 days outdoors, 720 hours in the salt chamber	"Inter-operational medium-term protection, in storage and preservation of metal parts"			
KX 100	wax with permanent elastic protection	24 months in indoors 90 days outdoors, 1056 hours in the salt chamber	Long-term protection, storage and preservation of metal parts, transport across oceans, especially on vertical surfaces"			
ZN Metal	zinc nano microlamel electroplating	60 months outdoors, 2800 hours in the salt chamber	Repair of galvanized parts and structures damaged during assembly, welding and repairs, for restoration of old and weakened galvanized surfaces. High temperature protection +550°C. Creates a perfect glossy surface, requiring no topcoat.			

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