

IMPACLEAN AQUA C 316

RINSELESS PHOSPHATE DEGREASER AND PRIMER FOR FRESHLY GALVANIZED SURFACES CONCENTRATE

AQUA C 316 is a clear liquid containing organic components to bind rust in such a way that it stops corrosion and at the same time degreases and forms a protective rinseless primer coating with a phosphatizing and degreasing effect.

Phosphate primer is ideal for cleaning, degreasing, passivating rust on rusted surfaces and as a primer on freshly galvanized metal structures, components and other parts. It provides extended service life and increased paint adhesion.

Freshly galvanized surfaces treated with this product can be painted without the use of additional primer. The protective coating strongly strengthens the defences of other metals (iron, cast iron) against subsequent corrosion at the same time as subsequent surface treatments or coatings. The product can be used for indoor and outdoor purposes. It replaces corrosive, toxic, irritating, harmful aqueous solutions and chlorinated hydrocarbons. Does not damage gaskets, NBR and silicone O-rings, rubber and most plastics.

- **Chemically stops corrosion and protects the surface from corrosion**
- **Cleans, degreases and passivates rust on rusted surfaces**
- **Acts as a primer on freshly galvanized surfaces**
- **Significantly extends the life of materials and increases adhesion paint**
- **Reduces surface tension**
- **Replaces toxic, corrosive, harmful products**
- **Odourless**
- **Biodegradable**

There are three different ways of applying AQUA C 316 depending on the type of application:

Degreasing application with phosphate effect on uncorroded surfaces and freshly galvanized surfaces:

- Painting application
- Application by low pressure spraying
- High pressure spray application

Degreasing application with phosphate effect on corroded surfaces

- Spray application
- Low pressure spray application
- High pressure spray application
- Application by immersion

Yield of Impaclean Aqua C 316 from 1 litre

Concentrate	1:1	1:3	1:5	Low-pressure spraying 1:3	Low-pressure spraying 1:10	High-pressure spraying
15 m ²	30 m ²	60 m ²	90 m ²	75 m ²	150 m ²	200–300 m ²

Degreasing application with phosphate effect on non-corroded surfaces:

Application by painting:

Use the product diluted 1:5-20 with warm or cold water depending on the nature and degree of soiling. Then brush or roller over the soiled surface and wipe off loose dirt with a microfiber cloth. Allow to dry well. Repeat the procedure in case of heavier soiling.

Application by low-pressure spraying:

Use the product diluted 1:5-20 with warm or cold water depending on the nature and extent of the contamination and pour into the sprayer. Apply evenly over the entire soiled surface and wipe off loose dirt with a microfiber cloth. Allow to dry well. Repeat the procedure in case of heavier soiling.

Application by high-pressure spraying (the most suitable and advantageous application):

Use the product in concentrated form. It can be used as an additive in high pressure equipment with or without heating. In this application, all the functions of the product can be used - in one operation you degrease, passivate rusted surfaces and for galvanised or aluminium surfaces it also acts as a PRIMER. Adjust the correct dilution on the high pressure machine so that the surface is degreased to less than 38Dn when dry. Otherwise, increase the amount of product added until the desired effect is achieved. Using warm water (approx. 70 °C - 95 °C) will significantly increase the overall effect of the product. Allow to dry well after application. In general, the bath temperature should be 90 °C to form the phosphate layer. At lower temperatures, the phosphate layer may not form sufficiently thick and continuous.

Degreasing application with phosphate effect on freshly galvanized surfaces:

Application by painting:

Use the product in concentrated form or diluted 1:1-3 with warm or cold water depending on the nature and extent of contamination. Then paint the soiled surface with a brush or roller and wipe off loose dirt with a microfiber cloth. Allow to dry well. Repeat the procedure in case of heavier soiling. After drying, a matt finish will form on the shiny surfaces of the galvanized coating.

Application by low-pressure spraying:

The surface should already be degreased with Impasol according to the type of surface! Contact our technical department. Use the product concentrated or diluted in a ratio of 1:1-3 with warm or cold water depending on the nature and degree of contamination and pour into the sprayer. Apply evenly over the entire soiled surface. In this application, the product acts only as a PRIMER. Allow to dry well. Repeat the procedure in case of heavier soiling.

After drying, a matt finish will form on the shiny surfaces of the galvanized coating.

Application by high-pressure spraying (the most suitable and advantageous application):

Use the product in concentrated form. It can be used as an additive in high pressure equipment with or without heating. In this application, all functions of the product can be used - in one operation you degrease, passivate rusted surfaces and for galvanized or aluminum surfaces it additionally acts as a PRIMER. Adjust the correct dilution on the high pressure machine to produce a matt finish on the shiny surfaces of the galvanized layer when dry. Otherwise, increase the amount of product added until the desired effect is achieved. Using warm water (approx. 70°C) will greatly increase the overall effect of the product. Allow to dry well after application.

Degreasing application on corroded surfaces:

Paint application:

Clean the corroded surface of loose rust with a wire brush. If the surface is greasy, wash it well with AQUA C 316 pro-drug diluted 1:3 with warm water and wipe off the loose grease with a microfiber cloth. Then reapply with a brush or roller AQUA C 316 diluted 1:5-10 with warm or cold water depending on the degree of corrosion. Allow to dry well after application. A white film must form on corroded surfaces after drying. Otherwise, increase the concentration. A white film will not form on non-corroded surfaces.

Application by low-pressure spraying:

The surface must be degreased and cleaned of loose rust. Pour the product diluted 1:5-10 (depending on the degree of corrosion) with warm or cold water into a sprayer and apply evenly over the entire surface. Allow to dry well. A white film must form on corroded surfaces after drying. Otherwise, increase the concentration. A white film will not form on non-corroded surfaces.

Application by high-pressure spraying (most suitable and advantageous application):

Use the product in concentrated form. High pressure equipment with or without water heating can be used. In one operation, degrease and passivate the corroded surface at the same time. Using warm water at approx. 70°C will significantly increase the degreasing and passivating effect of the product. Set the correct dilution on the high pressure machine so that a white film forms on the corroded surfaces after drying. Otherwise, increase the amount of product added until the desired effect is achieved. Allow to dry well after application. A white film will not form on non-corroded surfaces.

Application by immersion:

This application achieves both degreasing and passivation in one operation. Immerse the corroded parts in a solution of AQUA C 316 diluted 1:5 with warm water and leave for approx. 15 minutes. The use of warm water at approx. 70-80°C will significantly INCREASE both the degreasing and passivating effect of the product. After drying, a white film must form on corroded surfaces. Otherwise, increase the concentration of the product until the desired effect is achieved. Allow to dry well after application. A white film will not form on non-corroded surfaces.

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