



SolVin PVDC

DIOFAN[®] P 530

PVDC aqueous dispersion
for metal protection

1. The product

DIOFAN[®] P 530 is a one-component latex, water based dispersion of a polyvinylidene chloride copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances.

Thanks to its low oxygen and water vapor permeabilities, DIOFAN[®] XP530 is an exceptional protective copolymer used in a broad variety of formulations, specific to the end use.

Developed to adhere on metal and to keep its flexibility with time and in a broad temperature range, it is the ideal binder for one-component, air drying, waterborne formulated paints and coatings where high protection of the substrate is targeted.

DIOFAN[®] P 530 combines also high chemical resistance and fire retardant properties.

2. Product characteristics *

| | |
|----------------------------------|------------------------|
| Appearance | Milky white liquid |
| Solid content | 57 wt % |
| Specific gravity | 1.3 kg/dm ³ |
| Emulsion type | anionic |
| Minimum film forming temperature | 11°C |
| Surface tension | 36 mN/m |
| pH | 1.4 |
| Dynamic viscosity at 20°C | < 40 mPa·s |
| Mean particle size | 0.2 µm |

* these typical values are not specifications

3. Potential end uses

For example:

- Anticorrosion primers and coatings for industrial and heavy duty steel protection
- Automotive primers and underbody coatings
- Rust converter products
- Barrier and sealing coatings
- Flame resistant coatings
- Fibers and textile coatings

4. Storage

DIOFAN[®] P 530 will be stored in stainless steel, HDPE, PP or PVC vessels or drums. To prevent from drying by evaporation, please keep the vessel tightly closed. To avoid degradation, store the product preferably between 10 and 25°C.

The data and numerical results contained in this document are provided for the sake of general information of our customers and are given in good faith. The numerical data and tables of results show typical, average data based on an appropriate number of individual measurements made on the products. They should not be considered as specifications. Our responsibility does not cover misuse of our products. The information presented here should not be considered as a suggestion to use our products without taking into account existing patents, legal provisions or regulations, whether national or local.



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5. ISO certification

The implemented management system for the production, internal transfer and delivery, design and development of DIOFAN vinylidene chloride copolymers (PVDC) produced in Tavaux has been assessed and found to meet the requirements of ISO 9001 : 2008, ISO 14001 : 2004 and OHSAS 18001 : 2007.

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