

IMPREGARD

Impregnation for composites

Colourless

SUBSTRATE

Composites | Carbon fiber | Marine plywood



8/12m²/KG



DESCRIPTION

IMPREGARD is a solvent-free epoxy resin that restores the sheathing of damaged glass fibers and impregnates delaminated fabrics. Combined with the EPOXYGARD epoxy primer or an epoxy filler, the IMPREGARD resin forms a very effective osmosis curative system while limiting sanding for the applicators. IMPREGARD fills the microporosities of the support to obtain a uniform base. IMPREGARD can also be used in lamination because the product sticks very well to already cured composites, wets all lamination fabrics and retains a little "flexibility" after hardening, which prevents the repair from peeling off.

MAIN FEATURES

COVERAGE	8m ² /kg (sanded substrate) 12m ² /kg (planed surface) 20m ² /kg (smooth surface)
DRY EXTRACT	100 (% volume & weight)
VOLUME RATIO	5 base 3 hardener
WEIGHT RATIO	100g base 50g hardener
FLASH POINT	FP > 93°C
UNIT SIZE	1kg - 2.5kg
TYPICAL SHELF LIFE	5 years
THINNER	Do not thin out
FINISH	Gloss - Colourless

DRYING AND OVERCOATING

TEMPERATURE	10°C	15°C	20°C	30°C
Life pot	2h	1h40	60min	40min
Overcoating by itself	10h-36h	6h-48h	4h-36h	3h-24h
Overcoating by epoxy	10h-36h	6h-36h	6h-24h	5h-18h
Sandable	48h	36h	24h	18h

h=hours min=minutes

SURFACE PREPARATION

ON POLYESTER OR EPOXY HULLS

- The substrate must be sanded or planed, fibre bare.
- Make sure the surface is dry and dust-free.
- For osmosis treatment, refer to the specific instructions in the technical guide.

ON MARINE PLYWOOD

- The substrate must be sanded and free of dust.
- Make sure the substrate is very dry (less than 12% humidity).

SPECIAL ADVICE

The substrate must be dry: there is a risk of moisture being trapped inside the structure, which could lead to blistering or delamination at a later date.

COMPATIBILITY

Important :

Do not apply to wood, which will warp when submerged. Check the waterproofing of the structure regularly to avoid infiltration.



HINTS

- Application methods: brush, roller
- Apply between 15 and 25°C (ideally indoors with humidity below 85%).
- Do not paint a surface if there is the slightest risk of condensation forming on the surface (dew point): The temperatures of the ambient air, the substrate and the product must be very close.
- Avoid application in adverse weather conditions: strong wind, direct sunlight, high/low temperatures, high humidity or rain.
- Use a wide container to limit exothermic reactions in the mixture.
- Mix the base thoroughly before adding the hardener. Mix only as much as you need.
- Allow the mixture to stand for 10 minutes before application.
- Work at a constant temperature.

APPLICATION

BRUSH/ROLLER

- 1st coat: make sure the resin penetrates deep into the crevices of the surface. Use crossing strokes when applying. Allow to harden.
- Sand with an 80 grit sandpaper to remove any fibres protruding from the surface.
- Apply a 2nd coat to enclose the fibre in a uniform envelope of resin.
- Apply a 3rd coat if porosity persists.

INFOS

Number of coats:
2 (sanded/planed substrate)
1 (smooth or laminated surface)

Theoretical coverage per coat:
8m²/kg (sanded substrate)
12m²/kg (planed substrate)
20m²/kg (smooth substrate)

Recommended WFT* per coat: 100-150µm
 Recommended final DFT**: 100-150µm

*WFT : Wet Film Thickness / **DFT : Dry Film Thickness

INFORMATIONS

OPERATOR PROTECTION

- Paint for amateur and professional use.
- Before use, read this sheet, the label and the product information carefully.
- Work in a well-ventilated area, wear protective clothing, gloves, goggles and a suitable mask.

TRANSPORT AND STORAGE

- The product must be transported and stored in hermetically sealed containers that are not permeable to solvents.
- Do not expose to the open air, sunlight or extreme temperatures. To keep the product in good condition, recap the can after use, turn the jars upside down and store between 10°C and 25°C. Do not expose to sunlight.

SAFETY

- Read the label and product information before use. Observe the precautions for use. Carefully read the safety advice given in the Health and Safety section, which is also available from Nautix and its retailers.
- All professional operators must wear appropriate protective clothing: coveralls in a colour that contrasts with the product being applied, disposable hooded under-suits, appropriate gloves and protective footwear that protects the lower limbs. Wear a respirator when spraying.

WASTE

- Empty cans and soiled waste must be disposed of in accordance with current municipal regulations on the treatment of hazardous products, for example by taking them to a waste collection centre or using dedicated bins. Do not dispose of waste in drains or waterways. Use the bins provided. It is advisable to allow paint residues to harden before disposing of them.

GENERAL

- The information given in this data sheet is not exhaustive. Anyone using this product for purposes other than those recommended, without prior written confirmation from us as to the feasibility of such use, does so at their own risk. Nautix cannot be held responsible. This information is subject to change without notice.