

# GLACIVAP

## PRIMER/PORE FILLER FOR CIVIL ENGINEERING APPLICATIONS

### APPLICATION

GLACIVAP is a cold-applied, solvent-borne polyurethane-modified bitumen primer/pore filler.

This primer is used to prepare the concrete substrates of civil engineering structures bridges and car parks for the heat welding of a bituminous waterproofing membranes. It serves both as a primer and a pore filler.

For pedestrian traffic, the layers of coated materials can be reduced to a thickness of 35 mm.

For moderate traffic (class T3 to T5), GLACIVAP allows the thickness of the coated material wearing course to be reduced to 50 mm, allowing significant savings.

For heavier traffic, the thickness of the wearing course can be reduced by using appropriate coated materials.

It is applied by brush, roller or squeegee onto a clean, dry substrate, shotblasted in advance. It is recommended that the product be applied in a single coat, approx 800g/m<sup>2</sup>.

Its drying time on a concrete substrate varies according to the weather conditions and the thickness of the coat (from 3 to 18 hrs approx.). It is preferable to apply the product onto a substrate when its surface temperature is falling (generally in the afternoon).



### PRODUCTION

GLACIVAP is a homogeneous mixture of solvent-borne polyurethane-modified bitumen, which cross-links after application. Thanks to its low viscosity, it fills in the small irregularities in the concrete and after cross-linking, resists the pressure of the air and water vapour contained in the concrete which can cause blistering, thus serving as a pore filler.

CIVILROCK attaches the highest importance to the quality of its products. This is why we operate a quality assurance system according to ISO 9001 BSI certified.

### MAIN ADVANTAGES

- Easy to use: single-component, cold-applied
- Quick: 2 in 1, primer and pore filler in a single coat
- Effective: high adherence whilst limiting the risk of blistering
- Multiple uses: can be used on bridges, viaducts, car parks
- Economical: allows the thickness of wearing surfaces to be reduced

### SAFETY

GLACIVAP is a highly flammable product. The following rules must be followed:

- Keep away from any source of ignition during use.
- Before using a naked flame, the containers must be moved at least 10 metres away, whether or not they have been opened.
- Do not breathe in the fumes. If there is insufficient ventilation, use appropriate breathing apparatus.
- In a closed area, create a draught, using forced ventilation if necessary, and provide external surveillance.

For further information, see the Safety Data Sheet.

*CIVILROCK reserves the right, as technology and know-how progress, to modify without warning the composition and conditions of use of its materials, and subsequently their price. As a result, orders shall only be accepted on the basis of the terms and technical specifications applicable at the time of receipt.*



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### PACKAGING

Packaging	20 kg pails
Number of pails per pallet	20 pails
Storage	Approx. 12 months in the tightly sealed original container in a cool, dry place

### CHARACTERISTICS

	Standard	Value
Physical state		Homogeneous black liquid
Density at 20°C	NF T 30-020	970 kg/m <sup>3</sup>
Dry matter	EN 3251	Approx. 75% weight
Adherence with Antirock P	NF P 98-282 EN 13596	> 0.4 Mpa > 0.8 Mpa
Viscosity (measured 24 hrs after manufacturing)		Approx. 450 mPa.s
Flash point	ASTM D 56	20°C

Min. application temp.	5°C
Quantity to be applied	800 g/m <sup>2</sup> on concrete in one coat
Drying time	Approx. 3 hours depending on the conditions of application 12 hours before applying the waterproofing membrane

### CERTIFICATION

GLACIVAP is used as an adhesion primer for the following certifications:

**France:**

- SETRA technical approvals (with Antirock P)
- SNCF approvals (with Antirock P)

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