

# PLANOVAL

## NATURE OF THE PRODUCT

Single-component levelling paste, ready to use, with a base of special bitumens dispersed in water, formulated in the Valli Zabban Research and Development labs.

## FIELDS OF USE

The product is extremely easy to use and apply and is used to even up and restore slopes on bituminous bases (smooth or slate coated bituminous membranes) before laying a new waterproofing layer. It can also be used to form wall-floor joining shells.

## SURFACE PREPARATION

Thoroughly clean the base to remove: dust, friable parts, foreign substances or anything that could hinder adhesion. The product must only be applied to dry surfaces and bases. Bitumen-polymer membranes must have been oxidised for at least 180 days before applying the product. Parts of the membrane that are damaged, perforated, that show slight bumps and dips (creep), that are raised and have joints that are discontinuous or completely unsealed, must be repaired and sealed using SHELL TIXOPHALTE rubber-bituminous sealant.

## ADVICE

Do not use additives.  
Do not use if the container is damaged.  
Do not add water and/or solvents.

## APPLICATION

Before laying, give the product a quick stir. **PLANOVAL** is ready to use and can be applied using a straight edge, trowel or a smooth metal brush. Apply the product to a thickness of 2 to 15 mm per coat. For additional coats, wait at least 24 hours. Maximum applicable thickness: 4 cm. Protect **PLANOVAL** for at least 48 hours from: water, rain, snow or high humidity during the night. Waterproofing can be applied over the product, with a clean and dry base, within the following 14 days. **PLANOVAL** can be overlaid with all the liquid waterproofing sheaths in the Valli Zabban range. New bituminous membranes can be applied by torching or cold bonding. The product should be applied at temperatures of between +5°C and +35°C.

## COVERAGE

1.6 – 1.7 kg/m<sup>2</sup> per mm of thickness.

## PACKAGES

20 kg tubs.

## STORAGE

The product in its original container will remain stable for 12 months. Storage at temperatures between +5°C e +35°C is recommended.

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## SAFETY RULES

### PRECAUTIONS

For information on the safety rules, the user must read the most recent Safety Sheet, written in compliance with the applicable regulatory standards, which contains the physical and toxicological data as well as other information on using the product.

### ECOLOGY

Do not dispose of the product and/or empty containers in the environment. See the most recent Safety Sheet for more information on disposal.

## TECHNICAL DATA (average values) PRODUCT FOR PROFESSIONAL USE

### PRODUCT CHARACTERISTICS

Colour	Brown (Black when completely dry)
Density at 20 °C (g / cm <sup>3</sup> )	1.65 ± 0.05
Brookfield Viscosity at 20°C (cPs)	12000 ± 2000
Solid content (%)	85 ± 0.3
Hardening at 20 ° C	24 h
Application temperature limit	+ 5° C + 35° C
Elongation %	10 ± 2
Adhesion to a bituminous foundations	Excellent
V.O.C.	< 1
Custom tariff	27150000

Product complies with the requirements of Directive 2003/53/CE

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