

# IMPER

## VR - 228 SemiFLEX

### VISANREPAIR



#### Features

It is a one-component polymer-modified coating for the surface protection of concrete, providing high-resistance waterproofing. Formulated with special cements, selected aggregates, organic additives, and resins that ensure excellent adhesion and outstanding impermeability. It is specifically designed for water containment and is suitable for contact with drinking water. Resistant to seawater.

#### Applications

Surface protection of concrete in accordance with the principles of moisture control (MC) through surface coating and resistivity increase (RI) by limiting moisture content. Rigid waterproofing for foundations, slabs, walls, tanks, swimming pools, basements, planters, elevator shafts, bathrooms, showers, etc. Protection of buildings against moisture.

#### Storage

The product must be kept in its original packaging and stored in a dry place. Under these conditions, it can be stored for at least twelve months.

#### PHYSICAL AND CHEMICAL PROPERTIES

Classification according to UNE EN 1504-2	Protective Mortar
Appearance	Gray powder
granulometric range	0 - 800 $\mu$ m
Mix density	$\approx$ 1860 Kg/m <sup>3</sup>
Mixing water	$\pm$ 21%
Direct tensile adhesion	$\geq$ 1,0 Mpa
Compressive strength at 24 h	$\geq$ 30,0 Mpa
Capillary absorption and water permeability	$W < 0,1 \text{ Kg} / \text{m}^2 \text{h}^{1/2}$
Water vapor permeability	Class I: $S_D < 5 \text{ m}$
Reaction to fire	Class A1

#### Instructions for use

Mix with approximately 4.75 - 5.75 liters of clean water per bag, adding it slowly. Mix manually or mechanically until achieving a proper blend with a plastic consistency. Let it rest for 5 minutes before application. The application must include a minimum of two layers and can be done by spraying or manually (trowel). The first coat should have a slightly more fluid consistency to saturate the substrate. The second coat should be applied while the first one is still fresh. If the final thickness needs to reach 5 mm, three coats should be applied.

#### Compliance standards

Do not apply below 5°C or above 30°C.

Do not apply if there is a risk of rain, frost, strong wind, or direct sunlight.

Do not apply on plaster, metal, or wood. Preferably apply on the positive side, meaning the side that receives water pressure.

Protect the freshly applied mortar from early dehydration by using appropriate curing methods. Curing in a humid environment is essential for at least 24 hours after application.

Mechanically loadable after approximately 3 - 7 days.

Loadable with water pressure after approximately 7 - 14 days.

#### Presentation

The product is available in 25 kg bags and shrink-wrapped pallets of 40 bags (1000 kg).

