



IMPAC®

IMPAC® CEMENFLEX

2K flexible waterproofing cementitious coating

Description:

IMPAC® CEMENFLEX is a two-component cementitious waterproofing mortar which consists of a liquid polymer resin and a cementitious powder with special additives. The final fresh mix is a smooth and creamy paste but high alkali resistant and flexible once is hardened.

Uses:

Due to its high flexibility and impermeability it is used to cover surfaces with or without movement, it also resists positive and negative pressures, it can be applied to masonry, brick, block or stone walls; basements, drywall; as well as horizontal and vertical surfaces.

Waterproof bath trays, balconies, terraces, planters, concrete pools, water mirrors or reservoirs; as well as structures below and above ground level.

Properties:

- Simple and fast application with brush, trowel etc.
- Fast dry.
- It does not require curing.
- It does not need water for its preparation.
- Excellent adhesion to concrete surfaces, block, etc.
- Flexible (supports cracking bridging movements)
- Supports surface movements caused by temperature changes.
- Supports light pedestrian traffic.
- Protects concrete from carbonation and corrosion.
- Resists alkalinity of concrete and other building materials.
- It can be applied on weathering or aging asphalt.

Storage

In the original-sealed container, it should be stored out of direct sunlight or dry frost free conditions. Under such conditions shelf life will be 12 months.

Presentation

35 kg units (21 L.)
Component "A" 10 kg. (resin)
Component "B" 25 kg. (cementitious powder)



Coverage

SURFACE	LAYERS	YIELD (m ² /35 kg kit)	TOTAL THICKNESS mm
brick or block walls	2	8.5	2.5
Bath trays	2	8.5	2.5
Water tanks	3	7.0	3
Foundations	2	10.00	2
Maximum Thickness *	5	4.5	5

* The maximum thickness per layer is 1mm.
The amount may vary according to the surface conditions.

Technical information:

TECHNICAL DATA	STANDARD
Appearance	Part A: white-yellowish liquid Part B: gray powder N.A.
Density (fresh mix), kg/L	1.64 to 1.66 ASTM C-1475
Cracking bridging ability, mm	0.75 EN-14891
Tensile adhesion strength @ standard conditions, N/mm ²	3.47 EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after water immersion, N/mm ²	0.68 EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after heat ageing, N/mm ²	0.84 EN-14891 (spec. >0.5 N/mm ²)
Pot life	20-30 min (@ 23 °C) N.A.
Consumption <small>Note: will be depend of surface roughness.</small>	8-10 m ² /35 kg kit @ 2 coats with thickness 1.0 mm each N.A.

Note: all the results shown in the previous tables were obtained in the laboratory and at the environmental conditions established by the current standards. These results may vary in the field due to conditions beyond the control of Polímeros, Adhesivos y Derivados SA de CV.

Update: June 2020. These technical specifications replace any previous one up to this date. Visit our webpage www.impacusa.com where you can find the current version. Subjected to changes without notice.



IMPAC®

Application

Surface Preparation:

- Remove efflorescence and remove all loose parts that are in the walls or floors with a wire brush. Identify cracks or fissures and repair them using **IMPAC® WR-500**. Before moistening the area with clean water, prepare a mixture of **IMPAC® WR-500** with water forming a masonry paste and fill, with the help of a spatula, the crack or fissure, if the cracks are thicker than 1 mm it is recommended to use **IMPAC® PU Refiller**.
- If there are frank water leaks, repair them with **IMPAC® AF-180**.
- The surface must be perfectly clean and free of any coating, curing membrane, dust, dirt, etc.
- Before applying the **IMPAC® CEMENFLEX**, the surface must be completely moistened avoiding waterlogging.

Mixing:

- Mix in a bowl larger than 30 L.
- Place component "A" (liquid resin) in the container and gradually add component "B" (powder).
- Mix with industrial type drill and blade stirrer for 3 or 4 min until obtaining a homogeneous mixture without lumps.
- Very important: you should not change the proportions of both components or add water to the mixture.

Application:

- Application temperature must be between 41 °F (5 °C) and 86 °F (30 °C).
- Apply the first layer of **IMPAC® CEMENFLEX** with a brush or trowel making sure to leave an average thickness of 1 mm.
- Let dry for 2 or 3 hours (depending on the weather) before applying the second coat.
- For more protection a third layer can be applied.
- Allow to pass at least 2 days before put it in water immersion or cover it by tiles or another product (contact **IMPAC Technical Service**).