



IMPAC®

IMPAC® WR-480

Waterproofing cementitious coating

Description:

IMPAC® WR-480 is a gray or white waterproofing cementitious coating that is used for concrete, partition, block and masonry walls in general that will be exposed to continuous water immersion, as well for prevent moisture and efflorescence. It is formulated based on cementitious compounds and additives that penetrate the concrete to protect it from hydrostatic pressure and improving its resistance to chloride penetration and sulfate attack extending its useful life.

Uses:

It can be used on all kind of concrete or mortar structures that are in continuous contact with water or damp, such as cisterns, tanks, tunnels, planters, sumps, bathrooms, foundations, etc.

Instructions:

Surface preparation.

- Remove all loose parts that are on the walls or floors with a wire brush. Identify the cracks or fissures and repair them before moistening the area with clean water, prepare a mixture of **IMPAC® WR-480** with water forming a masonry paste and fill, the crack or fissure by using a spatula.
- The surface must be perfectly clean and free of any coating, curing membrane, dust, dirt, etc.
- Before applying the **IMPAC® WR-480** as a coating, the surface must be completely moistened to avoid pooling.

Mixing:

In a clean container, put water and add the **IMPAC® WR-480** bag (according to the following table).

IMPAC® WR-480	Color	Water	Application tool:
55 lb (25 kg)	¹ White	2.3 gal (8.75 L)	Trowel
		3.0 gal (11.25 L)	Brush or roller
	² Gray	2.0 gal (7.50 L)	Trowel
		2.6 gal (10.0 L)	Brush or roller

¹35 to 45% wt (of powder) ²30 a 40% wt (of powder)

- Mix manually or mechanically during 5 min until lumps are removed and let stand 1-2 min to release trapped air.
- It is very important not to prepare more material than can be used in 30 minutes.



White

Grey

Application:

- Use a slurry or stiff brush, paint brush, roller or trowel.
- Application temperature must be between 41 °F (5 °C) and 86 °F (30 °C).
- The application should not exceed 1.5 cm thick per coat and the application of two coats is required.
- Wait for the first coat to be dry to the touch to be able to apply a second coat and it should be applied crosswise to the first one.
- During the first 12 hours it should be cured with water every 3 hours and then 2 to 3 times a day for 3 days.
- The yield and thickness may vary according to the surface and climatic conditions.
- This product is part of the **IMPAC WR System**: for optimal performance **IMPAC® WR 700** should be applied as primer, the **IMPAC® WR 480** to ensure complete crack removal and finally **IMPAC® WR 480** as the final waterproofing coating.

Storage:

It is recommended to store in a cool and dry place, indoors. Place the bags on a platform to protect against possible flooding. Under such conditions, shelf life will be 12 months from the date of manufacture.

Update: November 25/19. These technical specifications replace any previous one up to this date. Visit our webpage www.impactusa.com where you can find the current version. Subjected to changes without notice.



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Properties:

- It integrates monolithically to the treated substrates.
- Resists both positive and negative hydrostatic pressure.
- Doesn't promote the fungi or algae formation.
- Weatherproof and saline environment resistant.
- It breathes water vapor, avoiding the increase of humidity inside.
- Waterproofing of treatment plants, tanks for secondary storage, septic tanks, and containment pits.
- It is not toxic, does not pollute, and does not decompose; so it can be used in immersion of drinking water, for human consumption.
- High resistance to chemical attack.

Presentation:

25 kg paper bag

Technical information:

TECHNICAL DATA		STANDARD
Appearance	Gray or white powder	N.A.
Density (fresh mix), kg/L	2.00 to 2.40	ASTM C-1475
Tensile adhesion strength @ standard conditions, N/mm ²	1.27	EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after water immersion, N/mm ²	0.52	EN-14891 (spec. >0.5 N/mm ²)
Pot life	30 min (@ 23 °C)	N.A.
Consumption <small>Note: will depend of surface roughness.</small>	≈0.8 m ² /kg @ 2 coats with thickness 1.5 mm each	N.A.

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

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