



IMPAC®

IMPAC® WR-500

Waterproofing cementitious coating special for cracks filling.

Description:

IMPAC® WR-500 is a waterproofing coating formulated with cement, special polymers, granulometry controlled aggregates, additives and fiber reinforced.

IMPAC® WR-500 is available in gray or white color and is an excellent product to protect concrete surfaces or wall that will be exposed to continuous water immersion and to prevent efflorescence.

Uses:

- It can be used in all types of concrete or mortar structures that are in continuous contact with water or moisture, as tanks, tunnels, planters, carcasses, bathrooms, foundations in addition to walls, roofs and to repair cracks smaller than 1.5 mm.

Properties:

- It can be used in: tanks, tunnels, planters, carcasses, bathrooms, foundations in addition to walls, roofs and exterior terraces where ceramic tile will be applied on.
- It can be applied on walls or slabs with presence of moisture and during rainy season.
- It integrates monolithically.
- Ecological, no VOCs content.
- Avoid efflorescence.
- Reinforced with polypropylene fibers.
- Hydrostatic pressure resistant.
- Easy application
- Two colors (white and gray).
- Doesn't promote algae or fungi formation in water.

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.

Presentation:

- 25 kg (paper bag)
- 5 kg (paper bag)
- 1 kg (plastic jar)



White

Grey

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	1.00	EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after water immersion, N/mm ²	0.51	EN-14891 (spec. >0.5 N/mm ²)
Pot life	30 min (@ 23 °C)	N.A.
Consumption <small>Note: will be 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 environmental conditions established by the current standards. These results may vary in the field due to conditions beyond the control of Polimeros, Adhesivos y Derivados SA de CV.

Update: October 3/2019. 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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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-500** 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-500** as a coating, the surface must be completely moistened to avoid pooling.

Mixing:

In a clean container, put water and add the **IMPAC® WR-500** bag (according to the following table).

Color	IMPAC® WR-500	Water	Application tool:
1White	2.2 lb	12 fl.oz (350 ml)	Trowel
		15 fl.oz (450 ml)	Brush or roller
	11 lb.	60 fl.oz (1.75 L)	Trowel
		76 fl.oz (2.25 L)	Brush or roller
	55 lb.	2.3 gal (8.75 L)	Trowel
		3.0 gal (11.25 L)	Brush or roller
2Gray	2.2 lb.	10 fl.oz (300 ml)	Trowel
		14 fl.oz (400 ml)	Brush or roller
	11 lb.	51 fl.oz (1.50 L)	Trowel
		68 fl.oz (2.00 L)	Brush or roller
	55 lb.	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.

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 500** to ensure complete crack removal and finally **IMPAC® WR 480** as the final waterproofing coating.

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Consumption :

1.25 kg/m² (depending on surface roughness)