



IMPAC®

IMPAC® WR-700

High flow waterproofing cementitious sealant

Description:

IMPAC® WR-700 is a waterproofing cementitious powder formulated with high adhesive polymers that improve the properties of the cement, obtaining a waterproofing coating with excellent weather resistance.

Use and Benefits:

To protect and prevent water absorption in slabs, walls, foundations and new concrete surfaces. It is very easy to prepare and apply. The use of fire, torches, or solvents is not required, which gives it an ecological advantage over the other systems, in addition to extending its useful life.

OTHER USES. It can be used in walls with 1 or 2 layers as a coating or sealant of high impermeability, seals cracks and prevents efflorescence. In severe cases of efflorescence or water leaks due to negative pressures, it is recommended to use also the **IMPAC® WR-480** system.

Instructions:

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® WR-700**, the surface must be completely moistened avoiding waterlogging.

Mixing:

- In a clean container, put water and add the **IMPAC® WR-700** bag (according to the following table).

Color	IMPAC® WR-700 bag	Water
1White	11 lb.	1.05 gal (4.0 L)
	22 lb.	2.1 gal (8.0 L)
	11 lb.	0.9 gal (3.5 L)
	22 lb.	1.85 gal (7.0 L)

¹80% wt (of powder) ²70% wt (of powder)

- Mix manually or mechanically during 5 minutes until removing lumps. Continue stirring looking for the mixture to be completely homogeneous, fluid and lump free. Let stand for 2 to 5 minutes to release trapped air.



Gray

White

- 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 or roller. It is recommended to stir the mixture every 10 minutes without adding more water.
- Application temperature must be between 41 °F (5 °C) and 86 °F (30 °C).
- Start the application of **IMPAC® WR-700** taking special care at the joints and edges so that the material covers the entire surface.
- Let dry for 2 to 6 hours. Continue with the second layer of **IMPAC® WR-700** crosswise.
- The product should be applied at 2 coats. The thickness of each coat should be 3 to 5 mil.
- Unlike any cement system, **IMPAC® WR-700**, due to its high flowability, does not require curing.
- The consumption and thickness may vary according to the conditions of the surface to be treated and the 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.
- It can also be reinforced with two coats of **IMPAC® 3000**, **IMPAC® 5000** or **IMPAC® 7000** (allow to dry during 3 to 5 days before apply any coating).

Properties:

IMPAC® WR-700, due to its high flowability, penetrates the natural pores of the concrete in such a way that it seals them and gives them impermeability. It possess an excellent surface adhesion because its polymeric resins content, also allows it to be applied on wet surfaces, so it can be applied perfectly during rainy season. It can be applied on surfaces that have a light transit such as terraces.

IMPAC® WR-700, is a product that is prepared with water, which greatly facilitates its application as well as the cleaning of work tools.

Update: October 22/2019. 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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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:

Paper bags of 5 kg and 10 kg.

Technical Information:

TECHNICAL DATA		STANDARD
Appearance	Gray or white powder	N.A.
Density (fresh mix), kg/L	1.28 to 1.30	ASTM C-1475
Tensile adhesion strength @ standard conditions, N/mm ²	2.28	EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after water immersion, N/mm ²	0.86	EN-14891 (spec. >0.5 N/mm ²)
Tensile adhesion strength after heat ageing, N/mm ²	0.93	EN-14891 (spec. >0.5 N/mm ²)
Pot life	30 min (@ 23 °C)	N.A.
Consumption	As primer (one coat): 4 to 5 m ² /kg (20 to 25 m ² /5 kg bag) As coating (2 coats): 2 to 2.4 m ² /kg (10 to 12 m ² /5 kg bag)	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 Polímeros, Adhesivos y Derivados SA de CV.

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