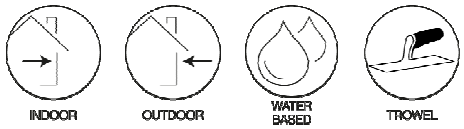
TOW BN ANTICARBONATAZIONE

Technical Sheet - Ed. 06/2021



Anti-carbonation fine two-coat finish, 0.6 mm

DESCRIPTION

Powdered cement-based anti-carbonation skim coat 0,6 mm made of selected inert materials, hydraulic binders, vinyl copolymers and specific additives to prevent carbonation of the concrete. With superb spreadability and filling capacity, suitable for levelling concrete, set cement-based plasters, predalles, floors and to smooth out irregularities up to 1 cm thick. For indoor and outdoor use. For professional use.

MAIN PROPERTIES

- Protective agent for concrete

TECHNICAL DATA	
Classification UNI 8681	One-pack, cement-based, physical drying, powdered plaster for base coat. Matt finish.
Maximum granulometry EN 1062	0.6mm
Maximum application thickness	5mm in two coats
Apparent bulk volume	1300 ± 50 g/l
Bulk volume in paste	1550 ± 50 g/l
Solid content	Cement-based (UNI 8681: TA)
Liquid water permeability en 1062	Class I, (>150 g/(m²·d))
Capillary absorption and permeability to water EN 1062	Class W2, < 0.1 Kg/m²h^{0,5}
Adherence for direct traction EN 1542	UNI 18555 part 6: 0.209 N/mm²
Carbon dioxide permeability EN 1062	> 50 m
Reaction to fire	Class A1
VOC	Not covered by Directive 2004/42/CE

CHARACTERISTICS	
Colour range	Grey
Coverage	1.5 kg/m2 per mm of thickness
Mixing Ratio	18-20% with water 4.5-5 Litres per 25Kg package
Diluted with	Water
Pot-life of mixture	About 4 hours
Drying time	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions.
Overpaintable	Compatibility with other products: compatible with all water-based products

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APPLICATION

Suitable Substrates:

Cured plasters in general, repair of surface structures, vertical walls and ceilings, exposed reinforced concrete, precast reinforced concrete features, predalles, floors

Preparation of the Substrate:

The substrate must be sound, not chalky and cleaned by pressure washing so that all dusts, saline efflorescences and oily residues are completely removed. Chalky concrete and plaster must be consolidated with a coat of Towacril at least 5-6 hours before applying the TOW BN ANTICARBONATAZIONE skim coat. We recommend smoothing out any surface irregularities that exceed 5 mm beforehand using Tow BK or Towerip. Moisten the substrates before application.

Application Procedure:

Mix TOW BN ANTICARBONATAZIONE with 90% water (5 litres for every 25 kg) for 5 minutes using a low speed mixer until the mixture is smooth and free of lumps. Let the mixture stand for 10 minutes, remix and, if necessary, add the remaining water prior to use. Apply the mixture with a metal spatula and wait 2 to 4 hours before applying a second coat. For a two-coat plaster finish, wait from 10 to 15 minutes depending on the environmental conditions and finish with a sponge trowel.

TOW BN ANTICARBONATAZIONE can be mixed and sprayed with a plaster pump, then finished with a sponge trowel. In this case, the amount of water in the mixture can vary slightly depending on the machine used.

48-72 hours after the surface has cured, it's ready to be covered with thick plastic coating products. Do not apply in strong wind or direct sunlight. Do not apply on gypsum.

Type of Equipment:

spatula, mason's trowel, mechanical low speed mixer

Notes:

Do not apply on surfaces that are in direct sunlight, frozen or very hot. Do not apply when it is very windy or when there is fog or rain. The conditions must last at least 2 days after application.

Ambient Conditions:

min +5°C max +35°C

STORAGE

Packaging:

25kg bags

Duration and Preservation:

1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

TECHNOLOGIES/CERTIFICATIONS

CE EN 1504-2

CE EN 1504-2 MC-IR

Ivas Industria Vernici S.p.A. – Via Bellaria, 40 – 47030 San Mauro Pascoli (FC) – Italy
Phone: +39 0541 815811 – Fax +39 0541 815815 - www.gruppoivas.com – ivas@gruppoivas.com

This Technical Sheet is compiled to the best of our technical/scientific knowledge. Nevertheless, it is not binding and does not imply that we are responsible, as the conditions of use are outside our control. It is recommended that the product is always checked as being suitable for the specific application.