TECHNICAL DATA SHEET

Special water-insulating screed

UZIN CEM-PROOF

Brushable hydraulic hardened waterproofing screed

Description:

Brushable water-insulating screed. Hardens hydraulically, suitable for vertical and horizontal surfaces. For interior and exterior applications.

Suitable for:

- Water–insulating/proofing on rooftops, terraces, basements, roofs and walls, grout or other mineral surfaces, wood, ceramic etc. Made from cement-based mortars or other mineral substrates, metal, wood, ceramics e.t.c.
- Coat vertical surfaces (walls) outdoors in areas with high humidity and extreme weather conditions.
- Water–insulating/proofing works in septic cesspits, pools, basements, and water tanks intended for irrigation, sewage and/or biological purification, also for tunnels, pipelines aquifers, wells, exterior walls, landscaping works for flower/plant pots, fountains, etc.

Product features/benefits:

Product in extra fine powder form with plasticizing admixtures. When mixed with water provides a hydraulically settable mortar for total waterproofing/insulating applications against simple capillary moisture till high positive or negative water pressure range (±5atm).

Composition: Special cement blends, mineral fillers, terpolymers, dispersants and various flow additives.

- NO TOXIC
- Resist to a wide range of pressure ± 5 atm
- Wide range of applications
- Fast curing
- No shrinking
- Suitable for potable water tanks
- Chromium poor

Technical Data:

Package:	PE-bag 20kg
Storage:	minimum 6 months
Powder Color:	White-pale grey
Consumption:	1,6 kg/m^2/mm of thickness (See “Application Table”)
Min. application temperature:	+10 °C
Ideal working temperature:	15 - 25 °C (substrate)
Drying:	30 - 60 minutes*
Coverage:	after 7 days*
Final Strengths:	after 28 days*

* At 20 °C and Relative Humidity 65%. Observe also “Application Table.”

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Substrate preparation:

The substrate must be sound, level, dry, free of cracks, clean and free of materials that could impair adhesion. Uneven surfaces and areas with stagnant water must first be repaired with appropriate mortars before the product's application. Test substrates in accordance with applicable standards and bulletins and reports any deficiencies.
Remove any residues of adhesives, friable strata e.g., anti-adherents, or paint residues either by brushing, abrading, grinding, or shot blasting. Vacuum off debris and dust. Degrease dense, non-absorbent substrates e.g., metals. Always allow the appropriate primers to dry completely before any further processing.
Refer to respective technical data sheets for product compatibility with other systems.

Application:

1. According to desired consistency, put 5-5.5 lt of clean water into a clean bucket, sprinkle in the sack contents whilst stirring vigorously and mix to a smooth, lump-free mortar. Use the respective UZIN paddle. Do not make the slurry very thin.
2. Apply a full coat of the sealer-slurry onto the substrate, then lay on more material wet-in-wet and comb through notch trowel to produce uniform ridges. Then immediately, and with a little more material, smooth out the ridges with a flat-edge trowel to form a fully sealed coat.
3. After the first coat is dry, repeat the same procedure for the second coat. The total dry coat thickness must be minimum 2 mm. So long as the minimum thickness of 2 mm is maintained, UZIN CEMENT PROOF can be applied in several coats using a builder's brush. At 20°C and 65% R.H. a layer of 3mm thickness could be abraded after 12-24 hours with sanding paper 40-60 grit, to increase the surface quality and absorbency. Thumbnail airflow and low temperatures will significantly affect drying conditions.
4. Waterproofing: For special constructions where, high waterproofness is required e.g. pools, water tanks etc. add 2-4 kilos UZIN-POLYACRYL replacing water ratio for the proposed 20 kg of powder.
5. Clean tools immediately after using them with water.

Application Data:

Application/Use	Minimum thick-	Consump-
Moisture protection	1,5mm	2.4 kg
Water without pressure protection	2,0mm	3.2 kg
Water with pressure protection	2,5mm	4.0 kg

* At 20 °C and 65 % relative humidity

Important Notes:

- Shelf life at least 6 months in original packaging when stored in moderately cool conditions. Frost-resistant to -4°C. Tightly reseal opened paper-sacks and use the contents as quickly as possible. Allow the adhesive to reach room temperature before processing.
- Optimum processing at 18-25°C, floor temperature above 15°C and relative humidity below 65%. Low temperatures and high humidity will delay whilst high temperatures and low humidity will accelerate the installation, setting and drying time.
- Observe the generally acknowledged rules of industry and technology for water insulation works as well as the respective applicable national standards. (e.g., EN, DIN and others).
- For multiple layers applications, continue to apply the material on the fresh surface of the first layer. Otherwise let the first coat get dry 24 hours and then prime with UZIN PE 360 or PE 421, allow 3-4 hours to dry and then apply the second layer.
- Fresh surfaces must be protected from air-currents, sun, heat, and humidity.
- Not suitable for use on water-soluble adhesive remnants or old bitumen adhesive residues. In such cases, use a suitable primer from the current UZIN Hellas product range.
- Do not use on chipboard panels, OSB panels or other wood- based substrates.
- Do not use on non-mineral substrates or on magnesium- and xylolite-based screeds.

Protection of the workplace and the environment:

Contains cement, low chromate content as per directive 2003/53/EC. Store out of reach from children! Wear nitrile-soaked cotton gloves. Wear protective dust mask when mixing. Provide thorough ventilation during and after processing/drying! Do not eat, drink, or smoke while working with the product. In the event of contact with the eyes or skin, rinse immediately with plenty of water. Do not dispose of into the sewer system, open water, or the soil. Clean tools with water and soap immediately after use. The basic prerequisites for optimal room air quality after floor covering work consist of installation conditions conforming to standards and well-dried substrates, primers, and levelling compounds. For allergy information, call **+30 210 7793777 (Greece)**.

Disposal:

Do not dispose of into the sewer system, open water, or the soil. Paper sacks can be recycled when emptied and free from any residue. Collect product residues, mix with water, allow them to harden and dispose of as construction waste.

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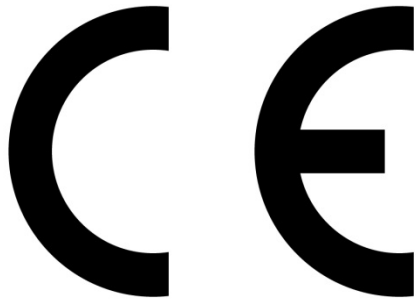

17
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UZIN CEM PROOF EN 1504-2:2010 2112-2017.07.10-03
EN 1504-2:2004 **Surface protection products Coating**

Permeability to CO_2	**SD > 50 m**
Permeability to water vapor	**Class III S_D > 50 m**
Capillary absorption and permeability to water	**w < 0,1 kg/(m²·h^{0,5})**
Adhesion strength by pull-off test	**≥ 0,8 N/mm²**
Resistance to severe chemical attack	**Petroleum: Class I** **Acetic acid 20%: Class II** **Sodium Hydroxide 20%: Class II** **Hydrochloric acid: Class II**
Artificial weathering	**Pass**
Reaction to fire	**Euroclass F**
Dangerous substances comply with 5.4	**No dangerous substances**