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EFECTTO QUARTZ



Efectto Quartz Medium Grain

Ready-to-Use Microcement

Efectto Quartz MEDIUM GRAIN is a decorative, durable and ready-to-use continuous coating, specially designed as a finishing layer for indoor floors.

Properties

- Continuous seamless cladding (always respect expansion joints).
- Compatible with a wide range of surfaces such as concrete, ceramic, tiles, plaster and plasterboard...
- Specially formulated for application on light traffic floors due to its good mechanical resistance. Suitable for interior renovations.
- Very good abrasion resistance and low water absorption.
- Ready-to-use product, excellent workability and easy application.
- Pigmentable, allowing a wide range of colours and finishes to be customised to suit different decorative styles.

Technical information

Properties	Value	Unit	Method
Performance	0,450	Kg/m^2	
Max. thickness per layer	0,250	mm	
Features	Acrylic Paste		
Non-volatile content	80-82	%	UNE-EN ISO 3251:2020
Density	1,6±0,1	g/cm^3	UNE-EN ISO 2811-1
Abrasion Taber (CS17, 1000g, 1000c)	139	mg	UNE 48250
VOCs In accordance with Directive 2004/42/IIA (a) (30)	16	g/L	
Sandpaper grit	80		
Drying time between layers (h)	4-8	hours	

Certifications

System used: 1 layer of PRIMACEM PLUS + 2 layers of QUARTZ BIG GRAIN EFFECT + 2 layers of QUARTZ MEDIUM EFFECT + 3 layers of TOPSEALER WT All in One Matt.

Tests CE marking according to harmonised standard EN 1504-2:2004	Services	Harmonised standard test
Determination of the permeability to liquid water	w = 0,028 $kg/(m^2h^{05})$ W3	**UNE-EN 1062-3:2008**
Determination of water vapour permeability	Class I	**UNE- EN ISO 7783:2019**
Determination of adhesion by direct traction	2.10 MPa (Rigid systems without traffic loads)	**UNE-EN 1542:2000**

Preparation of the support

All surfaces must be level and consolidated. The surface to be coated must be clean and dry. It must be free of dust, grease, soaps, paint in bad condition, etc.

Prior to the application of Efectto Quartz Big Grain microcement, it is essential to carry out an adequate preparation of the substrate, adapted to its specific conditions. Depending on the type and condition of the substrate, Primacem® PLUS primers may be required on non-absorbent surfaces or Primacem® ABS on absorbent surfaces, as well as the application of barriers against rising damp or vapour using Primapox® Barrier. Topciment recommends Primacem® PLUS primer for this system.

In any case, it is recommended to apply the microcement when the primer still has tack (tackiness to the touch) to ensure optimum adhesion. If the primer cures completely and loses its tack (especially in the case of epoxy primers), adhesion is reduced and peeling may occur. If the primer is already dry, it is necessary to sand the surface before applying the microcement to recover the anchorage.

In tiles and other coverings with joints, it will be necessary to seal these joints previously with Primacem® JOINTER; for correct application see product data sheet.

In all cases, the technical advice provided by our specialists must be strictly followed and the relevant technical data sheets for each product must be consulted.

Depending on the ambient temperature of the work area, it is recommended to heat the area to an ideal temperature (20- 22°C) for the application work, which will favour a quick drying of the product. Do not aim directly at the coated surfaces with an air heater to force drying.

Application

Once the substrate has been properly prepared, Efectto Quartz can be applied. Before starting the application, it is necessary to homogenise the product with the help of a mechanical stirrer or vigorously by hand.
Spread and smooth the microcement in a thin layer with a polycarbonate trowel or biflex anti-burn steel trowel and let dry 4-8 hours between layers. Apply two layers of Efectto Quartz Big Grain and then a single finishing layer. Efectto Quartz Medium Grain. Sand each layer with 40 grit sandpaper for Efectto Quartz Big Grain and 80 grit sandpaper for Efectto Quartz Medium Grain.

The trowel should be positioned with respect to the plane of the substrate at an angle of about 45º in order to avoid very thin layers, which can cause burns that leave dark stains on light colours, or very thick layers, which would delay drying and the possible drying of the excess material. Do not apply fresh on fresh.

Efectto Quartz must be sealed 24 hours after the application of the last layer. The sealing operation should not be started until the coating has a residual moisture content of less than 5 %, a value that must be verified by means of specific moisture measuring instruments. For sealing, the application of a varnish belonging to the Topsealer® range is recommended. In particular, the use of Topsealer WT Dragon for floors is suggested, as it is the most advanced and complete product in the range. It is essential to strictly follow the application instructions detailed in the technical data sheets for each product.

Special precautions

- It is essential to follow the instructions on the label of the container. For further information, please refer to the safety data sheet of the product.
- Empty containers must be disposed of in accordance with current legislation.
- To prevent the product from drying out or thickening, close the lid after each use.

Presentation

It is available in 6 and 17 kg packages.

Cleaning of tools

The tools are washed with water immediately after use

Storage conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 10ºC and 30ºC, in a dry and well-ventilated place, away from heat sources and direct sunlight. The shelf life is one year from the date of manufacture, if stored properly.

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The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legislative requirements. The Safety Data Sheets of the product are available to the professional.

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