

Technical data sheet

GRAY WATERPROOFING MORTAR FOR POTABLE-WATER TANKS

Cementitious waterproofing mortars / 25 kg



IMPERMEABILIZANTES CEMENTICIOS

IMPERMEABILIZANTE CISTERNAS DE AGUA POTABLE GRIS

Color: Gris

25 KG

CONTENIDO NETO

IMC-CIS-GRI-025

LOTE: _____ FECHA: _____



FT / FDS

MASCRO

mascro.com.mx

ARTE PRELIMINAR · SACO

PRELIMINARY DOCUMENTATION

Preliminary information. This is not a final data sheet or an authorized application instruction.

Commercial identity is adapted to MASCRO. Technical data and pending observations from the source document are retained.

Digital information and draft control

GRAY WATERPROOFING MORTAR FOR POTABLE-WATER TANKS

Agreed pack size: 25 kg · Color: Gray

SKU: IMC-CIS-GRI-025

Digital information and downloads

Scan to open the product page and view its PDFs and flipbooks.

<https://mascro.com.mx/productos/impermeabilizante-cisternas-de-agua-potable-gris/>

Scope of this review

The content was checked against the artboards in the original first- and second-part files. Data carried over from other products were corrected and the commercial pack size was updated. The company name, address, telephone numbers, final formulation and performance validation remain subject to confirmation. The standards cited in the originals are retained for this review.



Characteristics and applications

TECHNICAL CHARACTERISTICS

Mascro Gray Cementitious Waterproofing Mortar is a single-component osmotic mortar based on cement, selected mineral fillers and modified synthetic resins, designed for rigid waterproofing of concrete and masonry structures exposed to positive or negative hydrostatic pressure. Mixed with water, it forms a fluid mortar for trowel, brush or spray application, providing complete waterproofing and excellent substrate adhesion. Its formulation allows direct contact with drinking water without affecting its physicochemical properties. It meets principles MC and IR of UNE EN 1504-2 for concrete surface-protection systems. It withstands negative pressure up to 1 atmosphere and has high compressive and flexural strength. It hardens without shrinkage into a continuous, durable waterproof layer. Its workable consistency and compatibility with cementitious substrates suit internal and external waterproofing. Density: 1.30 g/cm³. Mixing ratio: 21-23 % (4.2-4.6 L water per 20 kg bag).

APPLICATIONS

For waterproofing potable-water tanks, foundation walls, elevator pits, basements, tunnels, irrigation channels and hydraulic structures. Suitable for internal and external surfaces, including seepage or negative pressure. Suitable for ponds, cisterns, reservoirs, service galleries and buried walls with permanent moisture. Also used to rehabilitate concrete structures deteriorated by seepage or moisture. Do not apply over gypsum, wood, plastic paints, gypsum plasterboard or non-mineral materials. Do not use on deformable surfaces, standing water or vibration-exposed areas. Professional-use product for hydraulic, civil and industrial structures.

Procedure and identification

For waterproofing potable-water tanks, foundation walls, elevator pits, basements, tunnels, irrigation channels and hydraulic structures. Suitable for internal and external surfaces, including seepage or negative pressure. Suitable for ponds, cisterns, reservoirs, service galleries and buried walls with permanent moisture. Also used to rehabilitate concrete structures deteriorated by seepage or moisture. Do not apply over gypsum, wood, plastic paints, gypsum plasterboard or non-mineral materials. Do not use on deformable surfaces, standing water or vibration-exposed areas. Professional-use product for hydraulic, civil and industrial structures.

Property	Characteristic value
Consistency	Fine powder
Color	Gray or white
Bulk density	1.450 kg/m ³
Solids content	100%
ISO classification	CM-01P (waterproof cementitious coating)
VOC emissions	0.0 g/L
Health approval	Suitable for potable-water contact (free of
Product shelf life	12 months in unopened packaging
Pack size	25 kg bags
Storage	Dry, cool location protected from direct sunlight

Technical data

Condition / Property	Value
Mixing ratio	25 kg product with 6.0–6.5 L water
Mix density	1.850 kg/m ³
Mix pH	12
Consistency	Creamy paste
Application temperature	+5 °C to +35 °C
Recommended thickness	1.5–3.0 mm in two or three coats
Working time	Approximately 60 minutes
Touch dry	2 – 4 hours
Time between coats	4 – 6 hours
Full curing before water contact	7 days
Positive-pressure resistance (28 days)	≥ 1.5 bar
Negative-pressure resistance (28 days)	≥ 1.0 bar
Adhesion to concrete (28 days)	≥ 1.0 N/mm ²
Capillary water absorption	< 0.1 kg/m ² ·h ^{0.5}
Water vapor permeability	High (μ ≤ 10)
Service temperature range	-20 °C to +80 °C
Alkali resistance	High
Potable-water compatibility	Excellent