

Technical data sheet

GRAY HIGH-STRENGTH ULTRA LEVELING MORTAR, 1 MM TO 10 MM / INTERIOR

Leveling and self-leveling mortars / 20 kg

**N**

NIVELANTES Y AUTONIVELANTES

**ULTRA NIVELANTE DE 1MM A 10MM
RESISTENCIA ELEVADA GRIS**

Color: Gris

20 KG

CONTENIDO NETO

NIV-UNE-GRI-020

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 HIGH-STRENGTH ULTRA LEVELING MORTAR, 1 MM TO 10 MM / INTERIOR

Agreed pack size: 20 kg · Color: Gray

SKU: NIV-UNE-GRI-020

Digital information and downloads

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

<https://mascro.com.mx/productos/ultra-nivelante-de-1mm-a-10mm-resistencia-elevada-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 High-Strength Ultra Leveling Mortar 1 to 10 mm is a rapid-setting cement-based self-leveling mortar for thin interior floor leveling with maximum flatness. Formulated with special cements, selected fine aggregates and advanced polymer additives, it develops high flow and compressive and flexural strength. Low shrinkage prevents cracking and ensures dimensional stability. It can be applied manually or by pump. Its setting time enables rapid floor-covering installation. It meets UNE-EN 13813 classification CT-C20-F5-A1FL, with approximate consumption of 1.6 kg/m² per mm of thickness.

APPLICATIONS

For leveling interior floors in homes, offices, retail premises, hospitals, schools and light industry. Suitable for correcting surface irregularities before installing ceramic, vinyl, carpet, wood or natural stone. It can be applied to cementitious substrates, anhydrite, concrete, terrazzo and sound existing finishes. Compatible with underfloor heating and medium-traffic areas. Not recommended outdoors or in areas subject to constant moisture or direct water exposure. Rapid return to service suits projects with short construction schedules.

Procedure and identification

Before application, ensure the surface is dry, sound and free of dust, grease, oil and paint residue. On weak cementitious substrates, remove loose material and consolidate with Mascro Acrylic Primer diluted 1:3 with water.

In a clean container, add (18–19%) water per 20 kg bag of Thick-Layer Self-Leveling Mortar 3-40, mixing with a low-speed drill until a uniform, fluid, lump-free mix is obtained. Do not add extra water once setting has begun.

Its high self-leveling ability corrects surface imperfections without excessive working. If a second layer is required, apply when the first is dry and walkable; if completely hardened, prime again.

Allow to dry before installing finishes: ceramic after 3–12 h, natural stone after 24–48 h, and vinyl, wood or carpet after 24–72 h, depending on temperature and humidity. Clean tools and fresh residue with water; hardened material can only be removed mechanically.

Do not use outdoors or below +5 °C. Store in a dry place in unopened packaging for up to 12 months.

Property	Characteristic value
Consistency	Powder
Color	Light gray
Bulk density	1.450 kg/m ³
Solids content	100%
ISO classification	CT-C35-F7-A2 (cementitious self-leveling mortar)
VOC emissions	0.0 g/L
Product shelf life	12 months in unopened packaging
Pack size	20 kg bags
Storage	Dry, shaded location, stored on pallets

Technical data

Condition / Property	Value
Mixing ratio	100 parts powder with 25% to 25% water
Mix density	1.450 kg/m ³
Mix pH	12
Consistency	Fluid – self-leveling
Application temperature	+5 °C to +35 °C
Working time	10 minutes
Application thickness	1 mm to 10 mm per layer
Foot traffic	24 hours
Ready for floor covering	24–72 hours (depending on thickness)
Compressive strength (28 days)	≥ 35 N/mm ²
Flexural strength (28 days)	≥ 7 N/mm ²
Substrate adhesion (28 days)	≥ 1.5 N/mm ²
Linear shrinkage	< 0.05 %
Service temperature range	-30 °C to +80 °C
Underfloor heating compatibility	Excellent
Alkali resistance	High
Solvent resistance	High