

Technical data sheet

HIGH-STRENGTH THICK-LAYER SELF-LEVELING MORTAR, 3 MM TO 40 MM

Leveling and self-leveling mortars / 20 kg

**N**

NIVELANTES Y AUTONIVELANTES

**AUTONIVELANTE CAPA GRUESA DE
3MM A 40MM ALTA RESISTENCIA**

Color: Gris

20 KG

CONTENIDO NETO

NIV-ANC-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

HIGH-STRENGTH THICK-LAYER SELF-LEVELING MORTAR, 3 MM TO 40 MM

Agreed pack size: 20 kg · Color: Gray

SKU: NIV-ANC-GRI-020

Digital information and downloads

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

<https://mascro.com.mx/productos/autonivelante-capa-gruesa-de-3mm-a-40mm-alta-resistencia/>

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.

The original shows 18–19 % water in the graphic and 19–21 % in the table. The mixing dosage remains to be reconciled.



Characteristics and applications

TECHNICAL CHARACTERISTICS

Mascro Self-Leveling Mortar is a rapid-setting cement-based mortar designed to level interior surfaces at thicknesses of 3 to 40 mm. It contains special cements, fine carbonates, polymer additives and high-adhesion resins. When mixed with water, it produces a fluid, easy-to-apply, shrinkage-free paste with high compressive, flexural and abrasion resistance. Rapid drying allows areas to be used within hours, providing dimensional stability and excellent thermal conductivity ($\lambda = 1.5 \text{ W/mK}$), suitable for underfloor heating. It can be pumped up to 100 m without loss of flow. It meets classification CT-C20-F5-A1FL under UNE-EN 13813, with approximate consumption of 1.7 kg/m^2 per mm of thickness.

APPLICATIONS

Designed for interiors requiring high resistance to traffic and concentrated loads: multi-story buildings, hospitals, airports, shopping centers and industrial areas. Used to level new or existing screeds before installing ceramic, vinyl, wood or natural stone finishes. Suitable for encapsulating electric heating cables and correcting irregularities in concrete, anhydrite, ceramic or terrazzo. Do not use outdoors, in areas with rising damp or under continuous water exposure. Mascro Contract 3-40 Leveling Mortar is recommended where rapid execution, precise leveling and compatibility with underfloor heating are required.

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 19% to 21% 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	3 mm to 40 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