

Technical data sheet

WHITE HEAVY-TRAFFIC PORCELAIN TILE ADHESIVE / INTERIOR - EXTERIOR

Adhesives / 20 kg

**A**

ADHESIVOS

**ADHESIVO PORCELÁNICOS TRÁFICO
INTENSO BLANCO**

Color: Blanco

20 KG

CONTENIDO NETO

ADH-PTI-BLA-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

WHITE HEAVY-TRAFFIC PORCELAIN TILE ADHESIVE / INTERIOR - EXTERIOR

Agreed pack size: 20 kg · Color: White

SKU: ADH-PTI-BLA-020

Digital information and downloads

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

<https://mascro.com.mx/productos/adhesivo-porcelanicos-trafico-intenso-blanco/>

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 states 4 h of workability in the procedure and 8 h in the table; open times are 30 and 20 min, respectively. These data remain to be reconciled.



Characteristics and applications

TECHNICAL CHARACTERISTICS

High-performance cementitious adhesive for ceramic and porcelain tile installation. Its balanced formulation of cement, selected fine aggregates, synthetic resins and special additives provides high adhesion, workability and extended open time. It develops excellent mechanical strength and durability for interior and exterior heavy-traffic applications. Its creamy consistency facilitates application and ensures a firm bond between tile and substrate without noticeable shrinkage during drying.

APPLICATIONS

Recommended for porcelain tiles, porcelain stoneware, mosaics, marble and non-moisture-sensitive natural stone on interior or exterior floors and walls. Suitable for areas with heavy pedestrian or mechanical traffic, such as shopping centers, airports, stations, corridors and facades. Suitable for cured concrete (at least 28 days), cement-sand mortar renders, gypsum plasterboard or fiber-cement panels, and existing ceramic or marble floors provided they are sound, clean and level. It can also be applied over underfloor heating or in areas exposed to moderate thermal changes.

Standards referenced in the original

ISO 13007-1 · ANSI A118 · NMX-C-420-1-ONNCCE-2017. References awaiting validation for the official version.

Procedure and identification

The substrate must be flat, sound, dry, clean and free of grease, oil, paint or wax. Cement-based mortars must be fully cured before application. In summer or hot climates, a minimum curing period of one week per centimeter of thickness and at least 28 days for screeds is recommended. If the surface is hot from sunlight, dampen it slightly before applying the adhesive. Gypsum or anhydrite substrates must be dry (moisture $\leq 0.5\%$); apply acrylic primer diluted 1:1 with water to improve adhesion.

Mix the adhesive with clean water, using the water percentage shown on the packaging and a low-speed drill (approximately 300 rpm) fitted with a spiral paddle, until a uniform, lump-free paste is obtained. Allow the mix to rest for 5 minutes to activate the additives, then remix briefly. The paste remains workable for approximately 4 hours, depending on environmental conditions. To improve flexibility or adhesion, some or all of the water may be replaced with acrylic latex.

Apply with a notched trowel appropriate for the tile size. Achieve at least 85 % contact coverage indoors and 100 % outdoors or in heavy-traffic areas. First spread a thin coat with the flat side of the trowel and, without allowing it to dry, apply a second coat with the notched side to achieve the required thickness. Do not spread more material than can be covered before a dry surface skin forms. If it loses freshness, spread it again without adding water.

Open time is approximately 30 minutes at 23 °C. Avoid application in direct sunlight or dry wind. Press the tiles firmly with a slight sliding motion to obtain full contact. Make adjustments within 60 minutes of placement and remove excess adhesive from the joints, leaving two thirds of their depth free for grouting.

Grouting may begin after 4 to 8 hours on walls and after 24 hours on floors, using cementitious or epoxy grout appropriate for the finish. Expansion joints must be retained and sealed with suitable elastic sealants; they must not be filled with rigid mortar.

Property	Characteristic value
Consistency	Powder
Color	White
Bulk density	1.300 kg/m ³
Solids content	100%
ISO classification	C2 (improved cementitious adhesive)
ANSI classification	A118.4
VOC emissions	0.0 g/L – EMICODE EC1 Plus

Procedure and identification (continued)

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 adhesive to 28–30 parts water
Mix density	1.450 kg/m ³
Mix pH	13
Consistency	Creamy paste
Application temperature	+5 °C to +35 °C
Open time (ISO 13007-1)	20 minutes
Adjustment time	Approximately 60 minutes
Pot life	8 hours
Wall joint grouting	4–8 hours
Floor joint grouting	24 hours
Ready for foot traffic	24 hours
Ready for full service	14 days
Service temperature range	-30 °C to +90 °C
Alkali resistance	Excellent
Solvent resistance	Excellent
Resistance to oils (non-vegetable)	Excellent
Initial adhesion (28 days)	≥ 1.2 N/mm ²
Adhesion after water immersion	≥ 1.0 N/mm ²
Adhesion after heat exposure	≥ 1.0 N/mm ²
Adhesion after freeze/thaw cycling	≥ 1.3 N/mm ²