



Globally Proven
Construction Solutions

305

305 is a bagged cementitious powder to be mixed with water for installing porcelain and ceramic tiles using the thin-set method.



FEATURES/BENEFITS

- Dual Purpose - for walls and floors
- Easy to use - Plastic Consistency
- Consistent quality, ready to use
- Proven performance

USES

- Indoor installation of ceramic tiles for floors and walls
- On standard plastered or cement-based mortar walls
- On cement screeds, as long as they are well set and dry.

MANUFACTURED/DISTRIBUTED BY

LATICRETE Philippines, Inc.
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STANDARDS/CERTIFICATIONS



EN12004 C1
ANSI A118.1-1999

Suitable Substrates

- Cement Plaster
- Concrete
- Cement Terrazzo
- Cement Mortar Beds
- Brick or Concrete Masonry

Color

Grey

Packaging

25 kg bag

Coverage

25kg of 305, mixed with 5.7ℓ- 6.3ℓ of water will yield a coverage of 7.4 - 8.8m² with 6mm x 6mm square notched.

trowel.

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area.

*High humidity will reduce the shelf life of bagged product.

Quality and Environment Standards

305 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Limitations

- Do not use for installing non-absorbent and large-size tiles.
- Do not use for installing glass mosaic tiles.
- Do not use on heated screeds.
- Do not use on prefabricated or cast-in-situ concrete constructions.
- On gypsum or anhydrite and extremely absorbent bases, use PRIMER PLUS beforehand.
- Do not use where it is necessary to have an adhesive layer of over 5mm thick.
- Do not use where quick walkability is required.
- Do not apply on wood, iron, or rubber.

Cautions

Consult MSDS for more safety information.

- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions 20°C, protect overnight.
- Keep out of reach of children.

TECHNICAL DATA

Technical and application specifications	
Hazard classification as per Directive 99/45/EC:	grey: irritant
Mixing water:	23-25% (weight) - i.e. approx 6 l per bag
Specific weight of mixture:	1.40 g/cm ³
Mixture pH:	over 12
Pot Life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 15 minutes
Handling time:	approx. 45 minutes
Waiting time for grouting on walls:	approx. 3/6 hours (depending on the absorption)
Waiting time for grouting on floors:	approx. 24 hours
Walk-over time:	24 hours
Ready for use:	approx. 14 days

FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm ²)	
Initial adhesion (after 28 days):	approx. 1.00 N/mm ²
Resistance to acids and alkalis:	poor
Resistance to damp, solvent, oil, and ageni	excellent
Temperature resistance:	from -30°C to +90°C
Deformability:	none
Harmonized custom code:	38245090

Technical data was taken at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the application conditions, and method used.

INSTALLATION

Surface Preparation

All surfaces must be flat, structurally sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well set. Protect the installation surface from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen the surfaces which are dry and dusty beforehand to extend the open time of the adhesive.

Application

Mix 305 with clean water, to obtain a smooth, lump-free mixture; do not add other aggregates or hydraulic binders to 305. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the flat side of the trowel and then with the notched side. Use the proper sized notched trowel to ensure the adhesive adheres to the back of the tile, covering at least 70% of the surface area for indoor installations and 100% if the installations are outdoors or in areas subject to heavy traffic. For outdoor applications or in areas subject to particular mechanical strains, the adhesive must be spread over both the substrate and the back of the tile, to ensure there are no gaps in the layer of glue (double spreading method). The materials applied with 305 must be protected from the rain during the 24 hours following the installation and must not be exposed to freezing temperatures for the first 5 days.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY materials are available worldwide.

For distributor information, call:

Telephone: +632 8656 6118

For on-line distributor information, visit LATICRETE at:
ph.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE Philippines, Inc. warrants that 305 is free from manufacturing defects and will not break down, deteriorate, or disintegrate under normal usage for a period of one (1) year from date of purchase subject to terms and conditions stated.

MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance, but installation performance and durability may depend on properly maintaining products supplied

by other manufacturers.

TECHNICAL SERVICES/CONTACT

Technical Assistance

Information is available by calling:

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Email: info@laticrete.ph

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at ph.laticrete.com

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications are indicative. LATICRETE, unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.