

Mer-Krete™ Thin-Set 700

PREMIUM GRADE THIN-SET MORTAR

DESCRIPTION:

Thin-Set 700 is a premium portland cement based mortar. When mixed with 150 Acrylic Latex, the resultant adhesive is notched troweled to form a thin-set mortar meeting the strict standards of ANSI A-118.4 requirements. When cured, this adhesive will display excellent physical properties in adhesion, flexibility and reduced water absorption.

USE:

Thin-Set 700 is used for all installations of ceramic, quarry and porcelain tile, as well as non-warping marble. Thin-Set 700 develops a strong bond to all common substrates (concrete, masonry, wallboard and plaster), and is for interior and exterior use.

ADVANTAGES:

- Adheres to all common sound substrates.
- Non-shrinking.
- Non-toxic and non-flammable.
- Non-staining.
- Water resistant – will not bleed.
- When mixed with Tuff-Flex 442 will exceed ANSI-A118.4 requirements.

LIMITATIONS:

- Cannot be applied or stored in freezing weather. After installation, however, this mastic has excellent resistance to frost damage (freeze-thaw cycling).
- Not recommended on wood unless certain conditions are met.

RECOMMENDATIONS:

No sealers, curing compounds or coatings shall be used on the substrate. Surfaces shall be left clean. Any contaminants shall be removed prior to application.

The use of back-mounted ceramic or mosaic sheets shall not be permitted for exterior installation, wet areas or swimming pools

Spread only as much mortar as can be covered while the surface is still tacky. Dusty or dry concrete surfaces should be washed with clean water just prior to commencing work and left uniformly damp (no standing water).

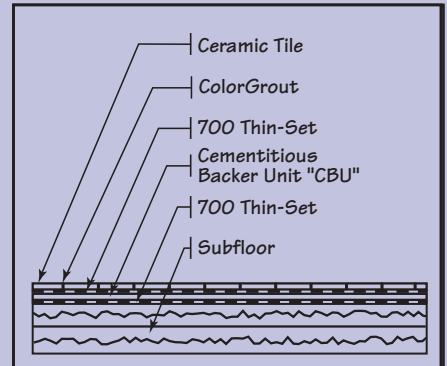
Patching, leveling or areas requiring a mortar bed should be prepared using a Mer-Krete Underlayment.

INSTALLATION:

Work should be performed only by a trained applicator familiar with these products and in strict accordance with manufacturer application specifications, abbreviated below:

The amount of liquid additive used will depend on the temperature and humidity. Higher temperatures and drier humidities will require slightly more liquid to reach optimum spreading consistency. Approximately 1¼ gallons of liquid will wet out one 50 lb. sack of Thin-Set 700.

- Expansion joints shall be spaced per current TCA manual and shall be installed against all restraining surfaces. Consult current TCA manual for expansion joint recommendations.
- Grout or point all joints using prepared grout with enough 150 Acrylic Latex to bring the mix to a workable consistency.



PHYSICAL & TECHNICAL DATA:

Adhesion in Shear:	(ANSI A118.1)
7 Days	> 200 p.s.i.
28 Days	> 250 p.s.i.
Compressive Strength:	> 3000 p.s.i.
(28 Day)	
Linear Shrinkage:	None
Water Absorption:	< 7%
Temperature Sensitivity:	
Low Range	50°F
High Range	100°F

TECHNICAL ASSISTANCE:

Specification assistance is highly recommended prior to a proposed installation. Contact any Mer-Krete technical representative for recommendations over existing substrates or problem areas.

WARRANTY:

5 year, 10 year and Limited Lifetime warranties are available. Contact the Customer Service Department for specific warranty information.



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