



LayTile SP

Thinset Dry-Tile Adhesive For Swimming Pools

PRODUCT DESCRIPTION: LayTile SP is a Polymer modified Portland cement compound used as an adhesive for setting ceramic tile in wet or submerged areas. It is also suitable for use over a variety of surfaces including masonry, concrete, gypsum board, concrete backer board, mortar bed, brick, ceramic tile and marble.

USES: Used on swimming pool walls and floors to install glazed wall tile, but can also be used to install marble, ceramic mosaics, quarry tile, pavers, bricks, etc. whenever a high water resistant thin-set mortar installation is required.

ADVANTAGES: LayTile SP is used in one layer, as thin as 2-3 mm after tiles are beat in; It has excellent impact resistance; and is water cleanable; non-flammable; good for exterior work; and do not require soaking of tile.

LIMITATIONS: Do not use over metal, wood, or glass backings.

COMPOSITIONS AND MATERIALS: Special formulation of portland cement, graded quartz silica, polymers, water retentive additives and other compatible modifiers.

PACKAGING: Packaged in 20 Kg. and 8 Kg. moisture resistant, multi-wall paper bags.

COLORS: White or gray.

APPLICABLE STANDARDS: LayTile SP meets or exceeds standards of ANSI A108.5-1992, ANSI A118.1 and CTI-64.

TECHNICAL DATA: LayTile SP does not require the use of primer or surface conditioner; performs equally well on porous and non-porous surfaces, for use with vitreous or non-vitreous tiles. LayTile SP is non-staining and water washable.

Performance Characteristics

	Results	ANSI Requirement
Initial Set	8 hrs.	>6<10 hrs.
Final Set	12 hrs.	>9<15 hrs.
Open Time @ 70F	85 min.	>75 min
Adjustability @ 70F	60 min.	>50 min
Bond Strength Comparison (28-Day Cure)		
Bond Strength to Glazed Wall Tile	600 psi	300 psi
Bond Strength to Ceramic Mosaics	300	150
Bond Strength to Quarry Tile	400	100



Coverage Chart (using 3x3mm square notched trowel)

Type of Tile Coverage	(Square meters / 20 Kg. Bag)
10x10 cm Square wall tiles on smooth walls	8-12
10x10 cm Square wall tiles on block walls	7-9
Quarry tiles, pavers, bricks	5-6
Ceramic mosaics	9-12
Large decorative tiles, marble, brick, pavers, etc.	4-5

INSTALLATION: For proper performance tile must be set in accordance with ANSI A108.5-1992 specifications and with the Tile Council of America's "Handbook For Ceramic Tile Installations".

Surface Preparation: All surfaces must be clean and free of dust, grease, sealants and foreign matter.

Mixing: Mix 20 kg bag of LayTile SP with 4 liters of water to a smooth, workable consistency. Allow ten minutes to slake, then remix thoroughly.

Application: Apply with conventional tile setter's notched trowel. Size of notches to be determined by installer since it is dependent upon conditions of substrate and characteristics of tile specified.

Precautions: Portland cement is an irritant. Avoid contact with skin. In case of contact wash thoroughly with water. For eyes, get medical attention. Keep out of reach of children.

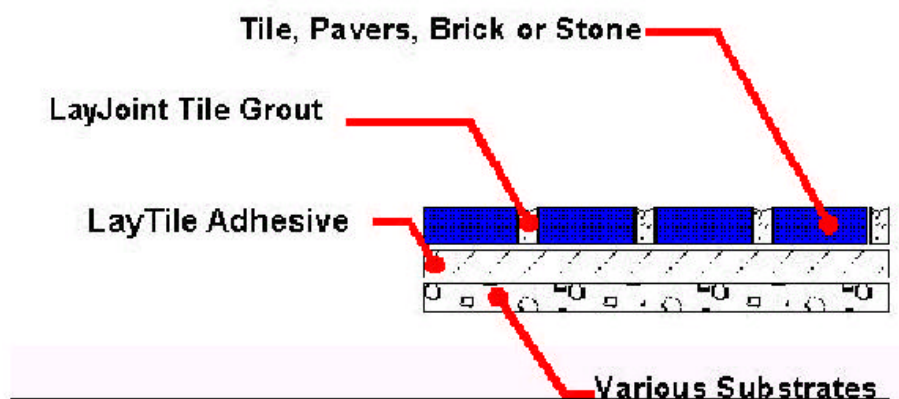
Cleaning: Wash with water.

Storage Life: One year if stored in cool, dry location. Do not expose to moisture. Close partially used bags tightly.

MAINTENANCE: LayTile SP is maintenance-free and permanent. If damaged, it may be mechanically removed and re-applied.

Floor Installation:

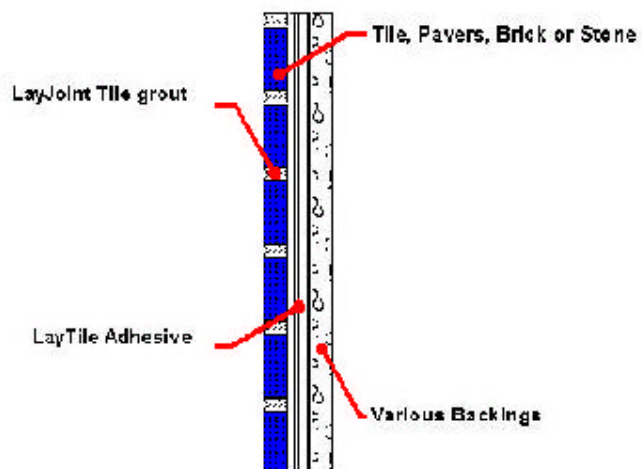
Illustration 1.1





Installation on Vertical Surfaces:

Illustration 1:



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