



# LayTile NS

## Thinset Dry-Tile Adhesive Sag Resistant

**PRODUCT DESCRIPTION:** LayTile NS is a Portland cement compound used mainly as a non-sag adhesive for setting heavy tile. It is 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 walls and floors to install glazed wall tile, marble, ceramic mosaics, quarry tile, pavers, bricks, etc. whenever a water resistant sag resistant thin-set mortar installation is required.

**ADVANTAGES:** LayTile NS 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 tiles.

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

**COMPOSITIONS AND MATERIALS:** Special formulation of portland cement, graded quartz silica, 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 NS meets or exceeds standards of ANSI A108.5-1992, ANSI A118.1 and CTI-64.

**TECHNICAL DATA:** LayTile NS 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 NS 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
Sag Resistance	>30%	
<b>Bond Strength Comparison (28-Day Cure)</b>		
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 NS 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.

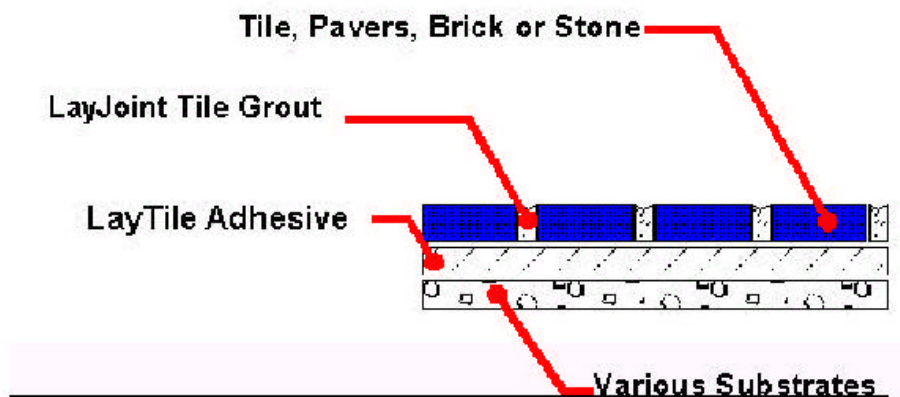
**Cleaning:** Wash with water.

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

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

**Floor Installation:**

*Illustration 1.1*

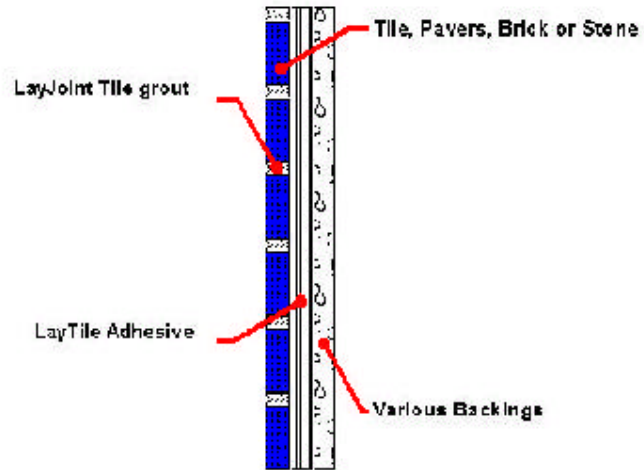




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**Installation on Vertical Surfaces:**

*Illustration 17*



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