



LayCast

Undercoat Plaster for imitating Precast

PRODUCT DESCRIPTION: LayCast is a Portland cement compound used as an plastering adhesive for setting colored chips to imitate Precast Panel finishes. It is suitable for use over a variety of surfaces including masonry, concrete, concrete backer board, mortar bed, and brick.

USES: Used on walls to obtain an attractive finish coat that is similar to precast panels with exposed aggregates. Can also be used on floors for setting pebbles, grit and colored chips as an alternative to cobble stone and other floor finishes.

ADVANTAGES: LayCast is used in one layer, as thin as 3-12 mm. It has excellent impact resistance, water resistance. It is suitable for exterior work.

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

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

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

COLORS: A choice of 16 colors. Colored chips (LayChip) are available in 8 colors.

APPLICABLE STANDARDS: LayCast meets or exceeds standards of ANSI A108.5-1992, ANSI A118.1.

TECHNICAL DATA: LayCast is self priming. It does not require the use of primer or surface conditioner; performs equally well on porous and non-porous surfaces. LayCast is non-staining and water washable.

Performance Characteristics

	Results	ANSI Requirement
Initial Set	6 hrs.	>6<10 hrs.
Final Set	10 hrs.	>9<15 hrs.
Open Time @ 70F	75 min.	>75 min
Coverage per bag of 20 kg	4-6 m ² /kg @ 4mm	
Bond Strength	600 psi	300 psi

INSTALLATION:

Surface Preparation: All surfaces must be clean and free of dust, grease, sealants and foreign matter. Brush down the surface to remove dust and loose particles. If the surface is made from smooth concrete which provides limited adhesion apply a scratch coat or add a latex admixture (LayTex) to LayCast or slightly dampen the surface with brush and water.

Important Notes:

A diamond galvanized mesh lath is recommended especially over Expansion Joints to allow the Coating to move and avoid cracks. Places to watch are above doors, and above and below windows.



Mixing: Mix LayCast in a clean bucket using clean cold water. Mix to a thick consistent creamy texture.

Application: Apply with conventional trowel after setting and properly aligning vertical flatness guides. Install the guides using a small amount of plaster in a narrow band continuously down the wall. First guide should be 1200 mm from starting point. Install corner beads and make sure they are straight and aligned. Applied thickness must correspond to chip thickness.

Colored Chip Setting: Apply colored stone or chips within 15 minutes of troweling LayCast. Stone, grit, gravel or the like should be splashed by hand or a suitable mechanical device. Press applied chips gently with trowel to insert into plaster.

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

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