



CONSTAR BONDING PATCH

Multipurpose Mortar

DESCRIPTION

Constar's Bonding Patch formulation ensures superior flexural and compressive strengths. Several additives make up this polymer modified product to make for easier working characteristics with increased adhesion. This results in a harder, smoother surface than the conventional method.

BASIC USES

For patching holes or repairing areas up to 50mm deep in concrete or masonry surfaces. It is good to use for patching tie holes, feathering, rendering, plastering and Plycap floors.

FEATURES

- Allows for foot traffic within 24 to 48 hours.
- Ultra strong
- For interior or exterior use
- Polymer additive provides uniformity.
- Improved stain resistance
- Smooth, tight surface for easier maintenance

LIMITATIONS

Use only on concrete surfaces which are maintained at a temperature above 5°C (41°F) during application and for at least 72 hours after being applied. Do not apply in single applications over 50mm thickness, as cracking and shrinkage may occur. For thicker repairs, use two or more applications to reach desired thickness.

COMPOSITION AND MATERIALS

A polymer modified factory blend of Portland cement, select sand aggregates, and special chemical additives packaged in dry powder form to be mixed with water just prior to use.

PREPARATORY WORK

All surfaces must be dry and free of grease, oil, dirt, paint and other foreign matter. Surfaces must be sound, free of frost, and must be maintained at a temperature above 5°C (41°F) during application, as well as 72 hours after being applied. Steel reinforcing must be free from rust.

MIXING

Mix Constar Bonding Patch by adding powder to cool, clean water. Place the powder in a clean bucket then add water while stirring to form a paste consistency that is reasonably stiff, yet easy to trowel. The exact proportions are not critical. When thoroughly mixed let stand in the bucket for 5 to minutes, then re-stir. This mortar now has a bucket life (pot life) of approximately two hours.

APPLICATION

The adhesion of the mortar to the substrate is improved by first applying Constar Acrylic Bonding Agent primer to the concrete. Spray or brush the primer on the concrete and allow it to penetrate into the concrete for 10-15 minutes before applying the mortar on top. The acrylic bonding agent primer can be allowed to dry, but adhesion is best if the acrylic is still tacky. Apply and smooth out the mortar with a standard masonry trowel to desired thickness.

CONSTAR BONDING PATCH – Continued

CURING

Allow mortar to cure for 24-48 hours before opening to traffic, or before application of paint or other coverings. On exterior applications protect from rain or freezing until thoroughly dry.

LEED Points Contribution

MR Credit 5, Regional Materials*
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants
IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems

**May be eligible*

LEED Points

Up to 2 points
1 point
1 point

PHYSICAL PROPERTIES

Description

Pot Life	2 hours
Initial Cure	24-48 hours
Final Cure	28 days
Compressive Strength:	7 days – 3000 psi
(with water)	28 days – 4300 psi
Wet Densities:	1.54
Dry Densities:	0.42
PH (approx.)	12
Cleanability:	With water before material dries
VOCs	0 g/L
Shelf Life:	1 year from production date when stored in dry, heated conditions

CAUTION

Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid extended contact with skin where possible and wash exposed skin areas promptly with water. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water and get prompt medical attention. Keep out of reach of children.

SAFETY

Refer to Constar Safety Data Sheet for detailed health and safety information.

AVAILABILITY AND COSTS

Constar Bonding Patch is available through Constar and its distributors in 22.7kg (50lb) size.

Cost: Data supplied upon request.

WARRANTY

Constar warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Constar's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

MAINTENANCE

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Constar or its distributors.

TECHNICAL SERVICES

Technical assistance for use of Constar products is available upon request.