

WOL-COAT® 300

General Description:

Single-component cement repair mortar consisting of special polymers having corrosion inhibitor with fiber reinforcement in Portland cement when mixed with potable water produces a fast setting, low shrinkage repair product. Which is hand troweled in vertical and overhead repairs requiring high performance.

Typical Uses:

On grade, above and below grade on concrete, WOL-COAT® 300 mortar may be applied on vertical and overhead surfaces. This mortar is typically used on manholes, large diameter sewer pipe, lift stations, tanks, and other high performance concrete structures. WOL-COAT® 300 mortar is also used for structural repairs on parking structures, bridges, marine structures, tunnels and buildings.

Features:

- Zero VOC's, low permeability, low shrinkage
- Bonds easily to concrete substrates
- Mixes with potable water for easy handling and application
- Coverage is 10.5 sq. ft. when placed at ½" depth

Technical Data:

Compressive Strength ASTM 109 modified, 2 "cubes
28 days 6,000

Split Tensile Strength ASTM C 4596, psi
28 days 400

Bond Strength ASTM C 882, psi
28 days 1,800

Modulus of Elasticity ASTM C 469, psi
28 days 2.65x10 to 6

Length Change ASTM c 157 modified
28 days -0.020%

Flexural Strength ASTM c 348, psi
28 days 600

Unit Weight
-120 lb./ft.3 (1,922 kg/m3)

Set Times
Initial: 15 min: final: 30 minutes

WOL-COAT, LLC

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WOL-COAT[®] 300

Usage:

WOL-COAT[®] 300 is to be used/applied by skilled trained personnel.

Concrete substrate must be structurally sound without any other foreign matter. The surface must have an exposed aggregate surface profile of 1/16" (1.6 mm) /CSP-5-7 in accordance with ICRI Guideline 310.2 for a properly clean profiled area. No standing water should remain during the application.

Be certain that the repair area is not less than 1/8" (3mm) in depth.

Saw cutting of the edges is preferred and a dovetail is recommended.

WOL-COAT[®] 300 repair mortar must be placed on a scratch coat of WOL-COAT[®] 300 while it is tacky before it is fully cured.

Using a 'jiffy' mixer add 1.0 gallon of potable water to WOL-COAT[®] 300 a single bag in a clean mixing container, between 60-90 degrees, then add WOL-COAT[®] 300 and mix for three to five minutes. Use a paddle type mortar mixer for large jobs. Do not mix more mortar than can be applied in 15 minutes.

Trowel in at 1/8" to 1 1/2" thickness on each lift, for additional lifts score the surface of prior lift before its reaching final cure. After fully cured apply the next lift. Maximum thickness is 4".

Finish the final lift to the desired texture. Do not add water. The repair mortar will usually be darker than the concrete substrate.

Clean tools and equipment with potable water before the mortar hardens.

Limitation of Liability:

WOL-COAT[®] 300 is warranted for a period of two years from the date of the sale to be free of manufacturing defects, to meet the published standards when handled, stored, mixed, and applied as specified by Wol-Coat. This product is manufactured to rigid control specifications. It is impossible to control the use and application. Therefore the manufacturer's sole liability is limited to replacing quantities of the product proven defective. The manufacturer disclaims any liability for the cost of labor to reapply or any other cost in the use of this product.

Revised 12-12-18

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