

JS All Patch 20

General Purpose Repair Mortar

PRODUCT DESCRIPTION

JS All Patch 20 is a fast setting, non-shrink, cementitious patching material designed for horizontal and vertical applications. The product has been formulated to be placed in consistencies ranging from putty to plastic.

GENERAL USES

JS All Patch 20 can be used for variety of concrete repairs such as columns, beams, slabs, steps, sidewalks, driveways, concrete walls, and precast members. In areas of spalls JS All Patch 20 can be trowelled into place on both horizontal and vertical surfaces.

JS All Patch 20 contains air entraining agents which makes it well suited to freeze-thaw resistance.

INSTRUCTION FOR USE

Surface Preparation

The object of good surface preparation is to achieve a clean, sound surface with good mechanical key. All substrate should be cleaned and free of dust, plaster, oil, paint, grease, corrosion deposits and any other contaminants. Excess laitance should be removed by mechanical means. Smooth substrates must be mechanically roughened by scrubbing or needle gun to provide an adequate key.

To get maximum bonding, depths of repair areas should be exposed around its full circumference and cleaned to bright, shiny metal to remove all loose scale and corrosion deposits.

Mixing

Water ratio of 3.5 qts. (7 pints) per 50 lb of material will produce a mixed consistency between putty to plastic depending upon handling preference and job requirements. Add JS All Patch 20 to water and mix for two minutes, using a mortar mixer or by hand. Please note that mixing time, mix consistency and set will be effected by the temperature of the substrate, water, material, and air.

Application

Before applying, dampen area with water. Leave no standing water. Force the material against the sides and bottom of the repair area. Trowel material level and allow it to take initial set.

In hot, dry or windy conditions use an approved ASTM C309 curing compound or cure and seal.

Bond Agents

To meet the demands to utilize JS All Patch 20 in a wide variety of patching conditions, Jobsite Supply has both two part epoxy bonding agents. Please contact your local field representative or our Technical Services Department for a specific bonding agent recommendation.

Approximate Yield: 0.43 cu. ft. /50 lb bag.

Cleaning: Water clean-up prior to cure.

Shelf Life: One year. Store in a cool and dry location.

Technical Data

Set time – ASTM C266

Initial 8-12 minutes
Final 15-20 minutes

Compressive Strength – ASTM C109

1 day 3,000 psi (20.68 MPa)
7 day 4,500 psi (31.03 MPa)
28 day 6,500 psi (44.81 MPa)

PACKAGING

- 50 lb (22.7 kg) bags and 50 lb pails.

LIMITATION/WARNING

- Refer to Material Safety Data Sheet prior use.
- Not recommended for placing below 35° F (1.7° C).
- Apply maximum 1 inch per layer.
- Do not re-temper after initial set.
- Must be placed within 2 minutes after mixing.
- Do not add other admixtures to JS All Patch 20.
- Do not apply over surfaces that are unsound, frozen, or contain frost.
- Avoid direct contact with skin and eyes.
- Wash exposed skin area promptly with water.

TECHNICAL SERVICES

Jobsite Supply Technical Service Department provides complete product and technical support.