

PRODUCT DESCRIPTION

GP 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

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

GP Patch 20 contains air entraining agents which make it well suited to freeze-thaw resistance.

FEATURES

- High strengths and excellent workability
- Easy to mix and use
- Non-corrosive, non metallic
- Volume stable
- Wide range of mix consistencies can be attained
- Can be covered by asphalt or concrete in 60 minutes
- Resistant to a wide variety of chemicals including oil, grease, salt solutions, diesel fuel
- Excellent bonding characteristics
- Fast setting

INSTRUCTIONS FOR USE

Surface Preparation:

The object of good surface preparation is to achieve a clean, sound surface with a good mechanical key. All substrates 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 controlled. Extremities of repair area should be recessed at least 3/8". Any steel in the repair area should be exposed around its full circumference and cleaned to bright shiny metal to remove all loose scale and corrosion deposits.

Mixing:

Water ratios of 4 qts. to 5 qts. per 50 lbs. of material will produce a mixed consistency between putty to plastic depending upon handling preference and job requirements. Add GP Patch 20 to water and mix for 2 minutes, using a mortar mixer or by hand. Please note that mixing time, mixed consistency, and set will be affected 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 to take initial set. In hot, dry or windy conditions use an approved ASTM C-309 Adhesives Technology Curing Compound.

Bonding Agents:

To meet the demands to utilize GP Patch 20 in a wide variety of patching conditions, Adhesives Technology has both two part epoxy bonding agents and one part polymer modified acrylic bonding agents. Please contact your local field representative or our Technical Services Department for a specific Adhesives Technology bonding agent recommendation.

Cleaning:

Water cleanup prior to cure.

PACKAGING

- 50 lb. bags

LIMITATIONS/WARNING

Not recommended for placing below 35°F. Maximum 1" per layer. Do not re-temper after initial set. Must be placed within 5 minutes after mixing. Do not add other admixtures to GP Patch 20. Do not apply over surfaces that are unsound, frozen or contain frost.

Refer to material safety data sheet prior to use.

Avoid direct contact with skin and eyes. Product contains



TYPICAL PERFORMANCE DATA 72° OF 50% RH 7 PINTS (7.3 LBS; 3.3 KG) OF WATER PER 50 LB BAG OF GP PATCH 20					
PLASTIC	HARDENED PROPERTIES OF GP PATCH 20				
Working Time 15 min.	Properties	Method ASTM	1 day PSI/MPa	7 days PSI/MPa	28 days PSI/MPa
Set Time ASTM C-266 initial - 21 min. final - 30 min.	Compressive Strength	C-109	3000	5000	6000
Flow ASTM C-109 5-10%	Split Tensile Strength	C-496	370	500	550
Durability ASTM C-672, 25 cycles visual rating - 0	Flexural Strength	C-348	1000	1200	1400
Packaging - 50 lb. bag (22.7 kg bag)	Slant Shear Bond	C-1042	1200	1400	1700
Yield - .42 cu ft/50 lb. bag when mixed with 3.5 quarts of water	Drying Shrinkage	C-157	—	—	0.008%

Portland Cement. May cause irritation and possibly cement burns. Wash exposed skin area promptly with water. In case of eye contact, flood eyes repeatedly with water and call physician. Do not take internally. Harmful if ingested. Keep product out of reach of children.

Consult material safety data sheet prior to use.

TECHNICAL SERVICES

Adhesives Technology's Technical Service Department provides complete product and technical support.

LIMITED WARRANTY NOTICE — Adhesives Technology warrants that at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OR TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Twelve (12) months after Adhesives Technology has shipped the material, all our Warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any duties may there-after commence. Adhesives Technology shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured for Adhesives Technology. We cannot warrant or in any way guarantee any particular method of use of application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salespeople, distributors or representative or by any sales information or drawings.

