

Hard-Rok™ GP PATCH 20

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
- 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
- Fast setting
- Excellent bonding characteristics
- Volume stable

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 curing compound.

Cleaning: Water cleanup prior to cure.

PACKAGING

- 50 lb. bags

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					
Packaging - 50 lb. bag (22.7 kg bag)	Flexural Strength	C-348	1000	1200	1400
Yield - .42 cu ft/50 lb. bag when mixed with 3.5 quarts of water	Slant Shear Bond	C-1042	1200	1400	1700
	Drying Shrinkage	C-157	—	—	0.008%

Ordering Information			
Part#	Product	Packaging	Pallet Qty
HR-GPP	General Purpose Patch	50 lb. bag	60

LIMITATIONS/WARNING

Not recommended for placing below 35°F. Maximum 1" per layer. Do not re-temper after initial set. Must be placed with 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.

Avoid direct contact with skin and eyes. Product contains 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.