

JET PLUG

This data sheet covers properties, mixture, placement and general information on Jet Plug

Description

Jet Plug was developed to assist in the repair or restoration of certain areas more affected by water flow, water head or ceiling problems, requiring special Care. Although somewhat similar to complete repair, Jet Plug is formulated to ensure an added measure of success, when the unique presence of water, especially under pressure, is a factor. Considerably faster setting, increased surface hardness and greater expansion ratio are built in to ensure placement success in sealing and plugging. Ready-to-use, Jet Plug, is a complete product with only the addition of water for use.

Advantages

Sealing and plugging in water presence, especially under pressure, has always been a problem. Jet Plug was designed to make the repair or restoration of area affected somewhat easier and efficient. because of its rapid set time and initial surface hardness, jet plug conceal or plug such areas with much greater success. It is easy to use and may be placed on the vertical or overhead without the use of forms making it especially useful and sewer or tunnel work. it remains pliable but not soluble, when placed in water flow, making it an excellent sealing and plugging agent.

Properties

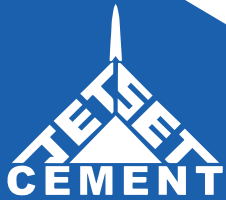
When mixed as directed, Jet Plug will attain an initial set and 3 or 4 minutes and be firm to the touch. Final set within 30 minutes from mixing time. Jet Plug will have a minimum compression strength of 2500 PSI in 24 hours and over 5,000 PSI in 28 days. Jet Plug has a density of 120 pounds per cubic feet and will have no shrinkage but will expand slightly during curing. It contains no calcium chloride and produces very little heat touring hydration. Jet Plug is very resistant to saltwater and may in fact be mixed with salt water for placement. 50 lb of Jet Plug mixed properly will produce approximately 900 cubic inches of material. Jet Plug may not be remixed or retempered. Any material mixed and not place in 3 to 4 minutes must be discarded.

Availability

Because and it's normally used Jet Plug is used in and around water presence, it is available in watertight plastic pails only. 50 lb and 10 lb sizes. It is available in concrete gray only. Normal dry shelf life in sealed pails, 2 years.

Mixture

Clean fresh or seawater shall be added to Jet Plug in the ratio of approximately 5 quarts of water to each 50 lb of dry material. Very cold water and cold outside temperatures will somewhat slow the



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normal setting time of Jet Plug, so care should be used to add water not excessively chilled, when rapid set time as needed. It is extremely important to add only enough water to Jet Plug to get it a consistency of heavy glazing putty. This is especially true when plugs are to be made and used. Remember Jet Plug is very fast setting, so mix only for one minute, and mix only enough to place in one or two minutes. Jet Plug is always best mix by hand and small amounts. Keep mixing equipment clean and discard any material not used and placed in 2 or 3 minutes.

Placement

Remove all loose material from area to be repaired. If water is not present in all areas to be repaired, damp and dry areas. For water seepage area, chip v-shaped void and seepage area, seal all adjacent areas. Prepare v-shaped plug and hold in place for 1 minute, or until plug is firm to touch. after plug has set and surface is hard, excess material may be shaved from repaired area. Do not disturb repaired area for 20 or 30 minutes after placing. For normal sealing application, Jet Plug maybe troweled into place in the normal manner. Use care not to overwork the surface of the repaired area until Jet Plug has set.

Curing

In normal application Jet Plug is used in areas of water presence and high humidity. No special curing is necessary in these conditions. Should placement be made where excessive water loss may be a factor, cure in the normal manner to retain moisture for several hours after placement.

Bonding agents

Bonding agents are not recommended in normal placement of Jet Plug. Water presence and damp area will ensure proper bond. Should Jet Plug be applied in areas such as dry walls or floors, not presently subject to water flow or seepage, any good bonding agent may be helpful and may be used.

For special or difficult problems involving placement and water flow or pressure, consult the manufacturer for instructions and assistance.