

HYGARD PLUG

PRODUCT DESCRIPTION

HYGARD PLUG is a ready to use, low viscous liquid which is mixed with fresh portland cement to form quick-setting cement plugs that instantly hardens even against water flowing under pressure. The compound contains reactive chemical salts which accelerate the setting and hardening of cement plugs. HYGARD PLUG and portland cement compound forms a very durable plugging compound which will not be washed away or deteriorate even under high water pressure.

USES & APPLICATIONS

HYGARD PLUG is used to instantly plug high pressure water leaks or bursts in below grade constructions such as retaining wall, water tanks, sewers, lift wells, dams, tunnels or mines. It stops pressure water leaks through joints, holes, cracks in concrete or masonry structures where resin based products will not adhere or ordinary mortar will be washed out.

HYGARD PLUG is also used for sealing of construction joints on below grade structure prior to waterproofing works. It is also suitable for use in other applications where rapid setting cement is required such as anchoring rock bolts in mining & tunnelling operations or setting of posts, bolts and railings.

INSTALLATION PROCEDURE

Surface Preparation

The substrate must be clean, sound and free of any surface contamination. Area to receive HYGARD PLUG should be routed out to a minimum of 25 mm from the surface or until sound substrate is obtained.

Mixing

HYGARD PLUG liquid should be mixed with fresh portland cement only. Mix one (1) part HYGARD PLUG liquid to two (2) parts cement by volume. Mix quickly and well to a stiff consistency. Do not mix more than what can be placed within 20 to 30 seconds due to the rapid setting characteristic of the material.

Application

Form a plug of the mixed HYGARD PLUG and cement in the gloved hand until the mortar begins developing heat. Then press into the prepared and routed surface, crack or hole. Hold and press firmly for approximately 30 to 60 seconds or until the material is sufficiently hard. Plug small leaks first. Holes up to 1 1/2" in size can be sealed with a single plug. Large holes should be reduced by building up the sides and letting the mortar set before final plugging.

After high water pressure has been stopped, plugged areas may be applied with HYGARD cementitious waterproofing to seal any dampness on the substrate.

PACKAGING

HYGARD PLUG is packaged in 4 liter gallon container. 1 gal. plug mixed to approximately 12kg. of fresh portland cement yields approximately 1,200 cm³ of mortar plug.