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Hydrojoint

Modified Epoxy Joint Sealant

Description

Hydrojoint is a flexible epoxy sealant designed for swimming pools expansion and construction joints. Hydrojoint is designed to give excellent resistance to pool balancing chemicals such as chlorine and various acids, at the dosage rates typical with the maintenance of any given commercial pool. Due to its tough rubber like consistency once cured, Hydrojoint is not easily removed by vandals or automatic mechanical cleaning equipment.

Advantages

- Low Odour
- Abrasion Resistant
- Excellent Chemical Resistance
- Vandal Proof
- Application Under Water

Typical Properties

Colour	Light Grey
Pot Life @ 20°C	1 hours
Specific Gravity 20°C	1.50 gm/ml
Shore A Hardness	75 – 85

Application Instructions

Preparation

All joint faces must be free of oil, grease or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a regular joint profile. Joints that are formed by saw cutting or by formwork will require wire brushing or other light abrasion to remove the laitance on the surface
 Place a bond breaker tape, foam rod or

compressible board into the joint to support the sealant and control the joint depth to width ratio. Do not use bituminous board or joint fillers that have volatile or mobile binders which may affect adhesion.

Set the depth of the joint no greater than the joint width. Where the width is greater than 12 mm, the depth should be equal to half the width for optimum movement accommodation

Priming

Prime the freshly prepared, dry joint using Hydrojoint Primer. Allow the primer to dry for 30 minutes before sealing the joint. The joint must be sealed within 6 hours of priming for optimum adhesion. Where the sealing is delayed for less than 24 hours, reprime the joint and allow the primer to dry. If the delay is longer than 24 hours wire brush the joint faces and reprime.

Mixing

Hydrojoint is suitable for mixing using a drill and suitable paddle. Add the Hardener to the Base component and mix for 3 to 5 minutes to ensure thorough mixing. Only mix that quantity of material that can be used within the setting time (Usually one kit at a time). Do not attempt to rework or retemper any partially set product. Avoid waste by using all the kit within 30 minutes of mixing.

Application

Pouring Grade

Pour the mixed Hydrojoint directly from the mixing vessel or fill a bulk gun for caulking the Hydrojoint into narrow joints.

Do not overfill the joint.

Gun Grade

Fill a bulk caulking gun direct from the mixing container and gun the Hydrojoint into the joint in a smooth and even operation, taking care not to

overfill the joints. Light pressure of the sealant against the joint face will assist in adhesion. Tool the surface off using a suitable smooth metal tool to give the desired profile.

Curing

Pools sealed with Hydrojoint can be filled with water or subject to foot traffic after 24 hours. Allow 7 days for full cure if applied during cool climate.

Clean Up

Clean all equipment with Resiloc Thinners after use.

Estimating Packaging

Hydrojoint is supplied in 3 litre kits.

Storage

Hydrojoint is an epoxy based product which must be stored in the original unopened containers for maximum shelf life.

Precautions

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice.

Any contact with eyes or skin should be washed off with soap and clean water, NOT solvent. Protective gloves, goggles and clothing should be worn.

Repeated contact may cause sensitisation in some people handling this type of product. Where this occurs seek medical advice before continuing use. Consult Aitken Freeman technical staff where the joints are subject to high movement and require a more flexible sealant.

Application under water can be difficult and requires specialist equipment and application. Priming is generally not possible in underwater applications.

Note

Material safety data sheets for these and all Aitken Freeman products are available on request. Read the MSDS and product label carefully before using.

All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

Allied Products

Aitken Freeman manufactures a broad range of construction products including.

Grouts

Coatings

Admixtures

Adhesives

Sealants

Floor Toppings

Floor Levelling Compounds

Concrete Repair