

Kemgrout AID/UW

Anti-washout Admixture

<p>Description</p>	<p>It is an anti-washout admixture based on cellulose-based material with thixotropic agents and superplasticizers. It is especially for underwater concrete, mortar, and grout applications. It has superior resistance to washing out of cement and fines It complies with BS8443:2005</p>
<p>Where to use</p>	<p>All types of underwater concreting where conventional concrete or placing techniques would result in a high percentage of material loss due to washout Mortar and grouting applications where mixtures are typically more fluid and have a higher potential for washout</p>
<p>Advantages</p>	<ul style="list-style-type: none"> • Used in the marine environment in contact with seawater • Reduced wash-out to save on cement and fines • Elimination of concrete bleeding and segregation • Thixotropic action that provides stiffening of the placement of concrete
<p>Properties</p>	
<p>Form</p>	<p>Powder</p>
<p>Density</p>	<p>0.8 - 1 Kg/liter</p>
<p>Chloride content</p>	<p>< 0.1%</p>
<p>Surface Preparation</p>	<ul style="list-style-type: none"> • The concrete along the crack should be clean, free from dust, loose particles, grease, oil or any other foreigner matter • Loose materials, such as un-bonded masonry mortar, loose bricks or delaminated concrete must be removed from the sides of the cracks in a minimum range of 5 cm • Drilling injection holes: Drill the hole (13 or 18 mm) into the crack in conjunction with V-grooving of the cracks to a depth of 2 – 3 cm below the apex of the V-grooved section • Clean the hole and remove the drilling dust before placing the pipe nipple. Sealing the face of the crack • After placing the pipe nipples, the V-grooving is sealed with Waterplug (See separate data sheet) to ensure fixation of the pipe nipples, quick setting and hardening, and tightness • Testing the system and pre-watering: If seepage was occurring from a crack or void, make sure that water is leaking from the nipples only • If the crack was dry, dampen it by injecting clean water to clean it • Check the function of the whole system by the use of water. Pre-water the sides of the crack at the same time
<p>Mixing</p>	<ul style="list-style-type: none"> • The material should be added after all other concreting ingredients have been batched and mixed either at the batch plant or at the job site • Mix grout in the normal way by adding cement into the mixing water • Add Kemgrout AID/UW as a slow stream and mix for 30 seconds to disperse the admixture into the grout and mix until homogeneous mixture is achieved • Mixes containing Kemgrout AID/UW may be produced in standard grout shear mixing equipment. • The grout produced is highly thickened and only non-valve pumps are recommended to be used for placement as they include hopper-fed mono pumps, and single and double-drum mixer pumps • Compressed air placement may be carried out using a boogie -type air grout pan

Application	<ul style="list-style-type: none"> • Concrete containing the admixture is easily pumped • The admixture is placed by pump or termite • Concrete placement should be continuous • Keep the discharge point of the placement device immersed in fresh concrete during placement • Grout will thicken within 2 – 5 minutes and discharge port of at least 75 mm to facilitate the passage of thickened grout where early setting is required Kemgrout AID/UW, may be used with cement accelerator
Packaging	A plastic pack of 20 Kg
Theoretical Coverage	<ul style="list-style-type: none"> • 5 – 7 % by cement weight • Overdosing to be avoided to ensure easy pumping • Trials should be carried out before work commences
Shelf life & Storage	Kemgrout AID/UW has a shelf life of 12 months if kept in a dry store in its original packaging
Limitation	<ul style="list-style-type: none"> • Do not add the material to the gauging water • Cement content should be at least 350kg/m³ with a maximum w/c of 0.45 and the fine aggregate content should be < 45%
Cleaning	Kemgrout AID/UW should be removed from tools and equipment immediately after use with clean water
Technical Service	Our technical service department is available to assist you for the correct use of this product and any other PROKEM products
Health and Safety	<ul style="list-style-type: none"> • Use goggles, gloves, and a breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleaner, soap and water • Eye splashes to be washed with plenty of water and seek for medical advice • If ingested seek medical advice • Do not smoke during use
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.</p> <p>PROKEM reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale & delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products</p>