

Intraplast[®] Z

Expanding and plasticising admixture for cementitious grout

Construction

Description	Intraplast [®] Z is an expanding plasticising agent used to increase fluidity and cohesion of sand/cement grouts and is suitable for use in grouting.
Uses	<ul style="list-style-type: none"> • Pre-stressed cable ducts. • Rock and soil anchoring. • Bearing plates. • Preplaced aggregates. • Tunnel linings. • Precast concrete elements. • Tilt up construction wall panels. • Piling
Advantages	<ul style="list-style-type: none"> • Intraplast[®] Z plasticises the mix allowing for an approximate reduction in water of up to 20% for equal fluidity, thus improving the strength and hardened properties of the grout. • Gas generated during setting produces minute evenly distributed bubbles causing expansion to take place thus compensating for normal drying shrinkage. • The initial retarding effect of Intraplast[®] Z and it's plasticising action greatly improves grout penetration and substantially reduces water separation and bleeding. • The expansive forces generated promote complete filling of voids and fissures. • For non expanding applications please refer to SikaGrout[®] Fluidifier.
Storage and Shelf Life	Stored in the original sealed packaging at temperatures of between 5°C and 35°C, this product will keep for at least one (1) year.
Dosage	<p>Typical dosage rates are between 2 - 4 kg per 100 kg of cement depending on specific requirements. Always conduct trials before use.</p> <p>The preferred dosage method of Intraplast[®] Z is by premixing it with the gauging water. If this is not possible it can be premixed with the dry cement/sand mixture providing it is thoroughly mixed through.</p>

Technical Data (Typical)

Form	Powder
Colour	White
Density	0.7 kg/litre (apparent density of powder)
Chloride Content	Nil
Suitability	Portland based cements including sulphate resistant cement.
Packaging	10 kg degradable bag

Important Notes	<ul style="list-style-type: none"> • Cements containing fly ash are not suitable. • Not suitable for use in underground mines.
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Handling Precautions	<ul style="list-style-type: none"> • Avoid contact with the skin. • Protective gloves and clothing are recommended when mixing or using this product. • Full material safety data sheet is available from Sika on request.
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Important Notification	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p>
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PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

