

Technical Data Sheet
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Intraplast® Z



PT ANUGERAH MANDIRI WATERPROOF

Intraplast® Z

Expanding Grout Admixture

Description	An expanding grout admixture in powder form. By introducing micro bubbles into the mix, it produces wet volume expansion and increased fluidity without segregation.
Uses	Intraplast Z is used to increase cohesion in cement grouts and is suitable for use in the grouting of : <ul style="list-style-type: none"> ■ Pre-stressed cable ducts. ■ Rock and soil anchoring. ■ Bearing plates. ■ Pre-placed aggregates. ■ Tunnel linings. ■ Pre-cast concrete elements. ■ Tilt construction wall panels. ■ Crack injection.
Advantages	<ul style="list-style-type: none"> ■ Intraplast Z plasticises the mix with water reduction of up to 20%, thus improving the strength of the grout. ■ Gas generated during setting distributes bubbles causing expansion to take place (3%-8% by volume) thus compensating for normal shrinkage. The initial retarding effect of Intraplast Z improves grout penetration, reduces water separation and bleeding. ■ The expansive forces generated completely fill voids. ■ Non toxic, non chloride.
Dosage	1- 2%
Typical Dosage	1.5%
Instructions for Use	Add directly to the gauging water and mix with cement. The mixture must be stirred continuously. For pre-stressed concrete work, a mixing time of 3 minutes with a w/c ratio of 0.42 has been found to give the best results. It is not recommended to add sand into the mix.
Technical Data	
Form	Powder
Colour	Beige
Bulk density	Approx. 0.7 kg / ltr
Shelf life	1 year if stored in unopened original container in dry, cool place
Packaging	20 x 0.75 kg bag
Remarks	<ul style="list-style-type: none"> ■ High alumina cement and cement containing high content of fly-ash are not suitable for use with Intraplast Z ■ To obtain optimum results (flowability, expansion, bleeding, etc) the suitable w/c ratio and Intraplast Z / cement ratio shall be determined through trial mixes.
Handling Precautions	<ul style="list-style-type: none"> ■ Avoid contact with skin and eyes. ■ Wear protective gloves and eye protection during work. ■ If skin contact occurs, wash skin thoroughly. ■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.



Construction

Legal Notes

The information and in particular the recommendations relating to the application and end-use of Sika products are given in good faith based on Sika's current knowledge and experience of the product 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 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 to our current terms of sales and delivery. 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.



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