

**Technical Data Sheet**  
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**Intraplast® Z**

# Intraplast® Z

## Expanding Grout Admixture

<b>Description</b>	An expanding grout admixture in powder form. By introducing micro bubbles into the mix, it produces wet volume expansion and increased fluidity without segregation.
<b>Uses</b>	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"> <li>■ Pre-stressed cable ducts.</li> <li>■ Rock and soil anchoring.</li> <li>■ Bearing plates.</li> <li>■ Pre-placed aggregates.</li> <li>■ Tunnel linings.</li> <li>■ Pre-cast concrete elements.</li> <li>■ Tilt construction wall panels.</li> <li>■ Crack injection.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Intraplast Z plasticises the mix with water reduction of up to 20%, thus improving the strength of the grout.</li> <li>■ 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.</li> <li>■ The expansive forces generated completely fill voids.</li> <li>■ Non toxic, non chloride.</li> </ul>
<b>Dosage</b>	1- 2%
<b>Typical Dosage</b>	1.5%
<b>Instructions for Use</b>	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

<b>Form</b>	Powder
<b>Colour</b>	Beige
<b>Bulk density</b>	Approx. 0.7 kg / ltr
<b>Shelf life</b>	1 year if stored in unopened original container in dry, cool place
<b>Packaging</b>	20 x 0.75 kg bag
<b>Remarks</b>	<ul style="list-style-type: none"> <li>■ High alumina cement and cement containing high content of fly-ash are not suitable for use with Intraplast Z</li> <li>■ To obtain optimum results (flowability, expansion, bleeding, etc) the suitable w/c ratio and Intraplast Z / cement ratio shall be determined through trial mixes.</li> </ul>



Table of Contents

## Handling Precautions

- 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.

## Legal Notes

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**PT. Sika Indonesia**  
Jl. Raya Cibinong- Bekasi km. 20  
Limununggal- Cileungsi  
BOGOR 16820 - Indonesia  
Tel. +62 21 8230025  
Fax +62 21 8230026  
Website : [www.sika.co.id](http://www.sika.co.id)  
e-mail: [sikacare@id.sika.com](mailto:sikacare@id.sika.com)

**Branches**  
Surabaya :  
Puri Niaga Blok G No. 29, Jl. Raya Rungkut Menanggal 11, Surabaya  
Tel : 031-8690202 ; Fax : 031-8682123  
Medan :  
Jl. Pancing / Jl. Willem Iskandar No.75 & 75 A, Kec. Medan Tembung  
Tel : 061- 6619500; Fax : (061) 6619400  
Batam :  
Jl. Laksamana Bintan, Komp. Bumi Riau Makmur Blok E No.3, Sungai Panas  
Tel : (0778) 424928; Fax : (0778) 450189

