

PRODUCT DATA SHEET

Sika® Plastiment® PZ 80 HK

Water reducing plasticizer to produce low slump-loss flowable concrete

DESCRIPTION

Sika® Plastiment® PZ 80 HK is a ready-to-use liquid admixture for making better, more uniform concrete. It reduces the quantity of mixing water required to produce concrete of a given consistency while retarding the setting time to facilitate placing and finishing.

USES

Sika® Plastiment® PZ 80 HK is recommended for use in all types of concrete where moderate to extended retardation of set and improved performance are required or desired:

- Improves properties of pumped concrete, shotcrete (wet mix), and conventionally placed concrete.
- Improves plain, reinforced, precast, prestressed, lightweight or standard weight concretes.
- Can be used with air-entraining agents approved under SAA, ASTM and AASHTO specifications when air-entrained concrete is specified or desired.

Sika® Plastiment® PZ 80 HK may entrain a small quantity of air and will also improve the efficiency of most air entraining admixtures, generally resulting in the need for less air-entraining agent.

CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® PZ 80 HK aids in the production of concrete with these special prop:

- Mild to extended retardation - depending on dosage
- Reduced water content for a given consistency
- Improved cohesiveness and workability
- Better finishing characteristics
- Plus all the basic benefits of a normal plasticizer
- Increase strength - compressive, flexural and bond of concrete to steel
- Greater economy in a mix for a given strength slump and air content
- Reduced cracking and permeability improved water-tightness
- Increased resistance to freezing and thawing of air entrained concrete
- Greater resistance to salt water and sulphates
- Increased durability

APPROVALS / STANDARDS

Comply with BS EN 934

PRODUCT INFORMATION

Packaging	205 litre drum or bulk delivery
Appearance / Colour	Brownish Liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Specific gravity	1.070+/-0.02 kg/litre

APPLICATION INFORMATION

Recommended Dosage	Sika® Plastiment® PZ 80 HK is normally used at the rate of 300ml - 1000 ml per 100 kg of cementitious material. Other dosages may also be used depending on the specific working conditions. Consult your local Sika representative for assistance in determining the rate of dosage.
Dispensing	Sika® Plastiment® PZ 80 HK is introduced into the mixer with the mixing water. The admixture works more efficiently if it is added to the dampened mix after 50-70% of the water has been introduced. No extension to normal mixing time is necessary. Sika® Plastiment® PZ 80 HK should never be added to any dry materials. A separate dispenser and feed line must be used.
Compatibility	Sika® Plastiment® PZ 80 HK is compatible with most admixture used in the production of quality concrete. To use in synergy and combination with another Sika product range, please consult your local Sika representative.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Sika® Plastiment® PZ 80 HK does not contain any hazardous substances requiring labeling. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc. For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions in the product Material Safety Data Sheet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Sika® Plastiment® PZ 80 HK
April 2025, Version 01.01
021303011000242922

SikaPlastimentPZ80HK-en-HK-(04-2025)-1-1.pdf