

Plastiment® -BV40

Water Reducing Concrete Admixture

Product Description	Plastiment® -BV40 is a versatile and economical concrete plasticiser with a wide dosage range for various applications. It complies with ASTM C 494 type A and BS 5075 Part I.
Uses	Plastiment® -BV40 is used wherever high quality structural concrete is required. Its plasticizing effect is particularly useful where: <ul style="list-style-type: none"> ■ Exposed surfaces are important ■ Maximum performance is desired ■ Placing conditions are difficult ■ Poor quality aggregates are found ■ Precast elements are produced
Advantages	Plastiment® -BV40 provides the following properties: <ul style="list-style-type: none"> ■ Improved workability without increased water ■ Reduced water without loss of workability ■ Increased early strengths ■ Improved surface finish ■ Improved water tightness ■ Unaffected setting times ■ Reduced shrinkage and creep ■ Chloride free, does not attack reinforcement
Technical Data	
Base	Modified Lignosulphonate
Appearance / Colour	Brown liquid
Density (at 20°C)	1.200 (ASTM C-494)
Packaging	5 and 20 kg pails 220 kg drums Bulk Tanks packing available upon request
Storage	Store in dry conditions, protected from direct sunlight and frost.
Shelf life	12 months from date of production if stored properly in undamaged and unopened original sealed packing.
Application	
Dosage	0.2 - 0.5 % by weight of cement. For improved concrete in normal application use 0.2 %, for more demanding situations use 0.8 %.
Dispensing	Plastiment® -BV40 is added to the mixing water prior to its addition to the dry-mix.
Important Notes	Plastiment® -BV40 is compatible with all types Portland Cement including S.R.C. When accidental overdosing occurs, this will have the effect of extending the setting time. During this period the concrete must be kept moist in order to prevent premature drying out.



Safety Instructions

Safety Precautions

Accidental splashes to the skin must be washed with water and soap.
Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay.

Ecology

Residues of material must be removed according to local regulations.
Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Transport

Non-hazardous

Toxicity

Non-Toxic under relevant health and safety codes.

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.



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