

Plastiment® BV 40

Water-Reducing Concrete Admixture

Description	A versatile and economical concrete plasticizer with a wide dosage range for various applications. Plastiment BV 40 complies with ASTM C494 Type A.
Uses	Plastiment BV 40 is used whenever 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 designed ■ Placing conditions are difficult ■ Poor quality aggregates are found ■ Pre-cast elements are produced
Advantages	Plastiment BV 40 provides the following properties: <ul style="list-style-type: none"> ■ Improved workability without increasing water ■ Allow substantial cement reduction compared to plain concrete ■ Reduced water without loss of workability ■ Increased strength ■ Improved surface finish ■ Unaffected setting time ■ Reduced shrinkage and creep ■ Chloride free - does not attack reinforcement
Product Data	
Form/Colour	Liquid / Brown
Packaging	5 / 25 / 200 litres drum
Storage	Dry, cool, shaded place.
Shelf Life	Min. 1 year if stored properly in original unopened packaging



Technical Data

Base	Blend of Lignosulfonates
Specific gravity	1.170 – 1.190
Chloride content	Nil

Application

Dosage	0.30 – 0.60 ltr per 100 kg of cement
Typical dosage	0.30 – 0.50 ltr. per 100 kg of cement. <ul style="list-style-type: none"> ■ For improved concrete in normal application use 0.3 ltr. ■ For more demanding situations use 0.5 ltr.
Compatibility	Possible to combine with all Sikament, Sika Aer, Sika Pump, Sikacrete PP1, but must be added separately to the mix and not pre-mixed prior addition.
Cement types	All Portland cement including sulfate resistant cement
Dispensing	Plastiment BV 40 can be added to the mixing water prior to its addition to the dry mix or separately to the freshly mixed concrete (at batching plant or at job site into the truck mixer).
Overdosing	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. Ultimate strength will not be affected.
Notes on application/Limits	<ul style="list-style-type: none"> ■ Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required, please contact the Sika Technical Service Department. ■ Accurate dispensing equipment can be supplied by Sika Ltd. Vietnam ■ Use an appropriate mixer and do not mix by hand ■ Curing treatment - use of Sika curing compounds to cure concrete is advisable

Health and Safety information

Ecology	Do not dispose into water
Transportation class	Non -hazardous
Waste disposal	According to local law

Important notes	Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.
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Disclaimer

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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