

Product Data Sheet

Edition: 14.11.2011

Identification no.

Version no.: UAE

Plastiment®-BV 40

Plastiment®-BV 40

Water-Reducing Concrete Admixture

Product Description **Plastiment®-BV 40** is a versatile and economical concrete plasticiser with a wide dosage range suitable for various applications. Suitable for use in tropical and hot climatic conditions.

Uses **Plastiment®-BV 40** is used wherever high quality structural concrete is required. Its plasticising effect is particularly useful where:

- Exposed surfaces are important
- Maximum performance is desired
- Placing conditions are difficult
- Precast elements are produced

Advantages **Plastiment®-BV 40** provides the following properties:

- Improved workability without increased water
- Reduced water without loss of workability
- Increased strengths
- Improved surface finish
- Unaffected setting times
- Reduced shrinkage and creep

Tests

Approvals / Standards **Plastiment®-BV 40** complies with ASTM C-494 Type A & F and EN 934-2: 2001

Product Data

Form Liquid

Appearance / Colour Brown

Packaging 1000 lt. flow bins.
Bulk supply in tanker trucks is possible on request.

Storage

Storage Conditions Store in a dry area and at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Shelf Life 12 months minimum from production date if stored properly in original unopened packaging.

Technical Data

Chemical Base Modified lignosulphonate

Density Approximately 1.19 kg/lt

Chloride Content Nil (EN 934-2)



Application Details

Dosage	<p>0.2 - 0.5% by weight of cement.</p> <p>It is advisable to carry out trial mixes to establish the exact dosage rate required.</p> <p>0.2% for improved concrete in normal applications</p> <p>0.5% for more demanding situations.</p>
Compatibility	<p>Plastiment®-BV 40 may be combined with the following Sika products:</p> <ul style="list-style-type: none">▪ SikaPump®▪ Sika® FerroGard®-901▪ Sika® Fume <p>It is also compatible with sulphate resistant cement.</p> <p>Pre-trials are recommended if combinations with the above products are being made. Please consult our Technical Services Department for information with regards to any special usage.</p>
Dispensing	<p>Plastiment®-BV 40 is added to the gauging water prior to its addition to the dry mix. Allow enough time for the concrete to mix thoroughly.</p>
Concrete Placing	<p>The standard rules of good concreting practice (production as well as placing) must also be observed when using Plastiment®-BV 40 concrete. Refer to relevant standards.</p>
Curing	<p>Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol® products as a curing agent or apply wet hessian.</p>
Cleaning	<p>Clean all equipment and tools with water immediately after use.</p>
Notes on Application / Limitations	<p>When using Plastiment®-BV 40 a suitable mix design must be selected and local material sources should be trialled.</p> <p>When accidental overdosing occurs, apart from retarding of the initial set no detrimental effect will take place. During this period the concrete must be kept moist in order to prevent premature drying out.</p> <p>Plastiment®-BV 40 should not be added to dry cement.</p> <p>Before pouring, suitability tests on the fresh concrete must be carried out.</p>

Value Base	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.
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 product uses.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.
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.

All products are manufactured under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.



Sika Pakistan (Pvt) Limited
141-CCA, Phase IV, DHA
Lahore
Pakistan
Phone: +92 42 35694266/7
Fax: +92 42 35694268
information@pk.sika.com
www.pak.sika.com

Innovation & Consistency | since 1910