

# Sikacim®

## Liquid integral waterproofing concrete and mortar admixture

<b>Product Description</b>	Liquid integral waterproofing admixture for all types of concrete and mortar
<b>Uses</b>	<p>Sikacim® is recommended for use in structural concrete, particularly for the following</p> <ul style="list-style-type: none"><li>■ Slope Roof Slabs</li><li>■ Flat Roof Slabs</li><li>■ Beams</li><li>■ Columns</li><li>■ Slabs</li><li>■ Excellent for internal and external plaster of buildings etc.</li><li>■ Repair and renovation</li></ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>■ Compatible with all varieties of Portland Cement including Slag Cement</li><li>■ Minimizes loss of mortar due to rebound in plastering jobs, hence great ease of application and saving</li><li>■ Required at a very small dosage, hence economical</li><li>■ Improves water tightness to a great extent</li><li>■ Performs multiple roles of water reducer as well as waterproofer</li><li>■ Improves workability without increased water content</li><li>■ Reduced shrinkage, better finish</li><li>■ Acts to disrupt the leakage causing capillary structures formed in concrete to cause leakages</li><li>■ No added chloride thus not contributing to corrosion of steel</li><li>■ Convenient to handle since suitable for both concrete and mortar</li><li>■ Supplied in consumer friendly pack</li></ul>
<b>Tests</b>	
<b>Approvals/Standards</b>	IS 2645-1975
<b>Product Data</b>	
<b>Form</b>	
<b>Appearance / Colour</b>	Brown liquid
<b>Packaging</b>	200g, 1kg, 5kg, 10kg, 20kg



## Storage

**Storage Conditions / Shelf-Life** Best before 12 months from date of production if stored properly in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

## Technical Data

**Chemical Base** Modified Ligno Sulphonate

**Specific Gravity** ~1.00 at 25°C

## System Information

### Application Details

**Consumption / Dosage** 100g for 50kg bag of cement (0.2% by weight of cement)

### Application Instructions

#### Dispensing

For Concrete:

- Mix cement, aggregates and sand and dry mix
- Add 50-70 % of required water and mix the mass to make it moist
- Add Sikacim<sup>®</sup> to the remaining water and pour it in the mixing drum and mix the entire quantity for approx. 3 minutes to achieve homogenous mix
- Pour the mixture on a tray and use as per requirement and lay the concrete
- Cure as per normal procedure by ponding/ curing compound (Antisol<sup>®</sup> EWP)

For Mortar:

- Mix cement and sand and dry mix
- Add 50-70 % of required water and mix the mass to make it moist
- Add Sikacim<sup>®</sup> to the remaining water and pour in the mixture
- Mix the entire quantity for approx. 3 minutes to achieve homogeneous mix
- Use as per requirement and lay the mortar
- Cure as per normal procedure by sprinkling with water/ curing compound (Antisol<sup>®</sup> EWP / Antisol<sup>®</sup> A)

#### Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

#### 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.

#### 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.



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