

Sikalastic®-110

Highly elastic, 1-part polyurethane bituminous waterproofing coating

Product Description

Sikalastic®-110 is a water based 1-part MMA modified polyurethane/bituminous coating, formulated to form a highly elastic, seamless and crack bridging membrane.

Uses

Due to its high elasticity, Sikalastic®-110 can be applied on different structures including those subject to thermal movement and vibration such as:

- Hydraulic structures like water storage tanks, swimming pools.
- External walls to be buried below ground
- Basements and other below ground structures
- Terraces and balconies
- RC flat roof

Characteristics / Advantages

- Easy application by roller, brush or sprayed, even onto vertical walls and ceiling
- Highly elastic
- Crack bridging capability on minor existing cracks
- Optimum adhesion onto concrete
- Can be applied directly on damp surface
- Non-toxic

Product Data

Form

Density 1.08 kg/ltr

Colours Black

Packaging 20 kg pail or 200 kg drum

Storage

Storage Conditions / Shelf-Life 9 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +5°C and +30°C.



Technical Data

Chemical Base Polyurethane bituminous hybrid

Density 1.08 kg/ltr

System Informations

Application Details

Consumption / Dosage For primer, dilute 1-part of Sikalastic®-110 with 3-part of clean water. Subsequently, a minimum of 2 coats is needed with a total consumption of ~1.5kg/m².
As a guide, ~1.0 kg of Sikalastic®-110 per m² per mm thickness.

Substrate Quality The concrete must be dry, structurally sound, laitance free, clean and free from dirt, oil, grease or other contaminants and loose or friable particles. The substrate must be sound and of sufficient strength. If in doubt, apply a test area first.

Substrate Preparation Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. All dust, loose and friable material must be completely removed from all surface before application of the product, preferably by brush and/or vacuum.

The substrate should be well dampened but free of surface water and leaks.

Application Conditions / Limitations

Substrate Temperature +5°C min. / +35°C max.

Ambient Temperature +5°C min. / +35°C max.

Relative Air Humidity < 75% r.h.

Application Instructions

Mixing Prior to application stir Sikalastic®-110 thoroughly in order to achieve a homogeneous mix.
For smoother application, 5% of clean water by weight can be added into the product.

Application Method Sikalastic®-110 is applied using brush, roller or by spray.

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

Waiting Time / Overcoating and Curing First coat can be applied immediately after the primer.
Allow 30 minutes between the primer and the first coat for indoor or inadequately ventilated rooms/area.
Sikalastic®-110 should be allowed to cure for 48 hours prior to overlaying with screed.

Notes on Application/ Limitations

- Do not add extra water or other ingredients
- Sikalastic®-110 may cure slower when the relative humidity is high, i.e. in closed or inadequately ventilated rooms and basements
- Sikalastic®-110 should be applied on surface saturated dry (SSD) surface, but free of surface water, because this can reduce adhesion, or slow the hardening time of the material
- Freshly applied Sikalastic®-110 should be protected from rain for at least 24 hours

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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