



Sikalastic®-110

High elasticity, 1-part polyurethane bituminous waterproofing coating

Product Description

Sikalastic®-110 is a water based 1-part 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:

- Concealed RC flat roof
- Hydraulic structures like swimming pools, water features
- External walls to be buried below ground
- Waterproofing coating under tiles areas like podium, bathrooms and balconies

Characteristics / Advantages

- Easy application by roller, brush or sprayed, even onto vertical walls and ceiling
- High elasticity
- High crack bridging capability
- Optimum adhesion onto concrete
- Can be applied directly on damp surface
- Non-toxic
- Low VOC and Eco-friendly

Product Data

Form

Density 1.08 kg/litre

Colours Black

Packaging 20 kg pail

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

Construction



Technical Data

Chemical Base Polyurethane bituminous hybrid

Density 1.08 kg/litre

Mechanical / Physical Properties

Tensile Strength (Without reinforcement) $\geq 1.5\text{N/mm}^2$ (ASTM D412)

Elongation at Break (Without reinforcement) $\geq 1000\%$ (ASTM D412)

System Informations

Application Details

Consumption / Dosage

Standard Coating System:

Build up: Sikalastic® 110 applied in min. two coats (exclude primer)
1 x dilute 1-part Sikalastic® -110 at 0.2kg/m² with 1-part of clean water
2 x coats of Sikalastic® -110 at ~ 0.65kg/m²/coat
Total consumption: ~1.5kg/m²

Reinforced Coating System:

Build up: Sikalastic® 110 applied in min. three coats (exclude primer), reinforced with Sika Reemat Standard
1 x dilute 1-part Sikalastic® -110 at 0.2kg/m² with 1-part of clean water
1 x Sikalastic® -110 at 0.7kg/m²
Sika Reemat Standard reinforcement
2 x Sikalastic® -110 at 0.5kg/m²
Total consumption: ~1.9kg/m²

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. / +40°C max.

Ambient Temperature +5°C min. / +40°C max.

Relative Air Humidity Max 80% r.h.

Application Instructions

Mixing	Prior to application stir Sikalastic®-110 thoroughly in order to achieve a homogeneous mix
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	<p>First coat can be applied immediately after the primer.</p> <p>Allow 30 minutes between the primer and the first coat for indoor or inadequately ventilated rooms/area.</p> <p>Allow min. 4 hours (25°C) between the first coat and second coats</p> <p>Sikalastic®-110 should be allowed to cure for 48 hours prior to overlaying with screed.</p> <p>Full cure min. 48 hours (25°C)</p>
Notes on Application/ Limitations	<p>Do not add extra water or other ingredients (except primer layer)</p> <p>Sikalastic®-110 may cure slower when the relative humidity is high, i.e. in closed or inadequately ventilated rooms and basements</p> <p>Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop surface water away during this time.</p> <p>Freshly applied Sikalastic®-110 should be protected from rain for at least 8 hours (25°C)</p> <p>Do not allow permanent exposed under UV</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.
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.
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