



Sikagard®-570 W Pele Elástica®

Elastic waterproofing coating

Product Description Sikagard®-570 W Pele Elástica®, is an aqueous coating, based on styrene-acrylic dispersion. After drying, becomes an elastic-plastic layer without amendments, with crack bridging properties even at low temperatures.

Uses

- For flooring solid coverage, particularly in case of: asbestos cement repairs, asphalt screens, concrete, zinc and steel.
- Sikagard®-570 W Pele Elástica® adheres well too aluminium, cooper, PVC and polyester.

Characteristics/ Advantages

- Waterproofing.
- Work as crack bridging, due to its high elastic.
- Allows a good diffusion of water vapour.
- Good resistance to CO₂ diffusion (prevents carbonations).
- Good adhesion to different materials.
- Allows application of high thicknesses.
- High durability and resistance to environmental exposure.
- Aqueous (no solvents).

With glass fiber net Sika GT-50:

- Good resistance to cracking.
- Total stabilization.

Approval/ Standards

Conforms to the requirements of EN 1504-2.
Conforms to the requirements of UNE 53413: "Coatings based on flexible polymers in aqueous dispersion, without framework, for waterproofing in buildings," applicable on vertical surfaces.
Conforms to the requirements of EN 53410,: "Flexible laminates systems to local applications, based on copolymers in aqueous dispersion, with glass fiber net, waterproofing in buildings, "when used with fibreglass screen.

Product Data

Appearance/ Colours Viscous liquid white, grey and tile.

Packaging

Sikagard® 570 W Pele Elástica®:	6 e 25 kg.
Glass fiber net Sika® GT 50:	50 x 1 m.
Sikagard® 551 S Primer:	5 e 25 l.
Sikagard® 552 W Aquaprimer:	5 e 20 l.

Refer to Product Data Sheets of primary.

Storage conditions/ Shelf-life 12 months from date of production if stored in undamaged and unopened, original sealed packaging, in dry conditions. Protect from direct sunlight.

Technical Data

Chemical base Aqueous dispersion of styrene-acrylic resins.



Density	Approx. 1,2 kg/dm ³ .	
Solid content	Approx. 60% (by weight).	
Folding film	Does not cracking when folded (at -5 °C).	(UNE 53.358)
Sound insulation	Resistance to percussion: 500 mm drop height.	(UNE 53.358)

Mechanical/ Physical properties

Bond Strength	Min. 1,0 N/mm ² .	(UNE 53.165)
Elongation at break	Approx. 350%.	(UNE 53.165)
Accelerated aging	Mass loss < 10%. Elasticity loss < 35%.	(UNE 53.165)

System information

System structure

Mineral surfaces:

Primer	1 x Sikagard [®] -551 S Primer (compact bases) 1 x Sikagard [®] -552 W Aquaprimer (porous bases)
Coating*	2 – 3 x Sikagard [®] -570 W Pele Elástica [®]

Bituminous screens:

Primer	1 x Sikagard [®] -570 W Pele Elástica [®] diluted with 20% of water
Coating*	2 – 3 x Sikagard [®] -570 W Pele Elástica [®]

Metal surfaces:

Primer	1 x SikaCol [®] -EG1 1 x Sikagard [®] -552 W Aquaprimer (porous bases)
Coating*	2 – 3 x Sikagard [®] -570 W Pele Elástica [®]

*Number of coats varies with the state of the base and the need of waterproofing. In cracked foundations, should be applied the glass fiber net Sika[®]-GT 50 anti-alkaline, between coats of Sikagard[®]-570 W Pele Elástica[®].

Spot coat:

It is recommended to apply an extra coat of Sikagard[®]-570 W Pele Elástica[®] at the seams, connections and overlaps of the base material before general coat.

Application details

Consumption/ Dosage

Product	Consumption
Sikagard [®] -551 S Primer	Approx. 0.1 – 0.12 l/m ²
Sikagard [®] -552 W Aquaprimer	Approx. 0.1 – 0.2 l/m ²
Sikagard [®] -570 W Pele Elástica [®] :	
■ On roofs*	Approx. 1.0 kg/m ² /coat
■ On vertical surfaces**	Approx. 0.5 kg/m ² /coat

*2 or 3 coats of Sikagard[®]-570 W Pele Elástica[®]

** 2 coats of Sikagard[®]-570 W Pele Elástica[®]

Substrate quality	The surface must be clean, dry and free of all contaminants e.g. dirt, oils, grease, coatings and surface treatments etc. If in doubt, apply a test area first.
Substrate preparation	<p>Fill cracks, voids and pores with Sikagard®-570 W Pele Elástica® or a mixture of the product and quartz sand, size from 0,1 to 0,3 mm (two loads) in ratio of 1 p.w. of Sikagard®-570 W Pele Elástica® for 0,7 to 1 p.w. of sand. If necessary, apply a regularization bus or sealing of pores with Sika® MonoTop® -620, Icoment® Massa, Sika® Rep Cosmetic, etc. The period of cement-buses should be at least 4 days before star painting.</p> <p>Concrete or mortar:</p> <ul style="list-style-type: none"> ■ Must be solid, free from dirt, grease, waste oil striking and disintegrated particules. ■ Suitable preparation methods: steam cleaning, water jet (high pressure to concrete surfaces) or blasting (only on concrete bases). ■ New concrete or mortar, must be at least 28 days. ■ On painted concrete or mortar must test the adhesion of existing paint (mean adherence > 0,8 N/mm², no values below 0,5 N/mm²): <p>Insufficient adherence of old paint: Fully remove the old paint by suitable methods, leaving the surface sufficiently strong and healthy so that it can be painted above.</p> <p>Sufficient adherence of old paint: Thoroughly clean all surfaces by washing with steam or water spray. Use Sikagard®-552 W Aquaprimer as primer.</p> <p>Bituminous cards/ Bituminous screens:</p> <ul style="list-style-type: none"> ■ Cut the bubble pad and lift the edges. ■ Allow to dry, clean and apply Sikaflex®-11 FC⁺. ■ Leave to dry superficially and paste, pressing the edges. Cracks in bituminous should be filled with Sikagard®-570 W Pele Elástica® diluted. <p>Metallic bases:</p> <ul style="list-style-type: none"> ■ They must be free of dirt, grease and oil. ■ Suitable preparation methods: abrasive blasting, degreasing by immersion on solvent or washing with water and detergent or steam jet.
Application conditions/ Limitations	
Substrate temperature	Min.: +5 °C. / Max.: +35 °C.
Ambient temperature	Min.: +5 °C. / Max.: +35 °C.
Relative air humidity	Max. 80% h.r.
Substrate moisture content	< 4% pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).
Dew point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.
Application instructions	
Mixing ratio/ Dosage	Sikagard®-570 W Pele Elástica® is supplied ready for use. Thoroughly mix the product packaging prior to application.

Application method/ Tools	Sikagard®-570 W Pele Elástica® can be applied by brush, roller or airless spray. Dilution lowers the stability of Sikagard®-570 W Pele Elástica®.
Notes on application/ Limitations	<p>Application with glass fiber net Sika®-GT 50: Once applied the primer and the first coat of Sikagard®-570 W Pele Elástica®, immediately extend the glass fiber, which is sealed with a second coat of Sikagard®-570 W Pele Elástica®. If the surface is irregular, coat of framework should be made with two coats to roll.</p> <ul style="list-style-type: none"> ■ Do not use on bases in constant contact with water (storage, saturated bases or subject to condensing). ■ Sikagard®-570 W Pele Elástica® is a finish paint, requires no liner. ■ In case of particularly critical surfaces, for example torn or ripped bituminous screens, Sikagard®-570 W Pele Elástica® should take a glass fiber net embedded between two cross coats, to stabilize. ■ In joints, cracks or seams of the base, glass fiber net should be apply not attached to the base, to bridge the gap. ■ Do not place objects on the lining that can physically assault. ■ Not recommend for coating submerged surfaces.
Cleaning of tools	Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.
Curing Details	<p>Applied product ready for use Dry to touch in approx. 2 hours (at +20 °C). Dry thoroughly in 3 – 5 hours (at +20 °C).</p> <p>The speed of drying may be delayed in the case of low temperature and/or high relative humidity.</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.
CE Marking	<p><i>"Manufacturers civil responsibility is covered by insurance policy nº CH00003018LI05A with XL Insurance Switzerland "</i></p> <p>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.</p> <p>The harmonised European standard EN 1504-2 "Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2 Surface protection system for concrete" specifies the requirements for coatings to be used to protect concrete structures (either building or civil engineering structures). Products which fall under this specification need to be CE-labelled as per Annex Za, table Za.1d & 1e, conformity 2+ and 4 and fulfil the requirements of the given mandate of the Construction Product Directives (89/106/EEC).</p>



Sika Portugal, SA
R. de Santarém, 113 4400-292 V. N. Gaia Portugal
Phone +351 22 377 69 00
Fax +351 22 370 20 12
www.sika.pt

