

Sikagard®-570 W Pele Elástica® + Fibras

Elastic waterproofing coating with fibers

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

Uses

- Waterproofing membrane for roofings subject to occasional pedestrian traffic and peripheral vertical surfaces.
- For flooring solid coverage, particularly in case of: asbestos cement repairs, asphalt screens, concrete, zinc and steel.

For applications on PVC or polyester and paintings, is recommended to make preliminary tests in order to determine their compatibility and if necessary make a prior sanding.

Characteristics/ Advantages

- Waterproofing.
- Visitable – pedestrian traffic.
- 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).

Approval/ Standards According NP EN 1504-2.

Product Data

Appearance/ Colours Viscous liquid white, grey and tile.

Packaging Sikagard® 570 W Pele Elástica® + Fibras: 4, 5, 18 and 20 kg.

Sikagard® 551 S Primer: 5 and 25 l.
 Sikagard® 552 W Aquaprimer: 5 and 20 l.

Consult primers Product Data Sheet.

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. 1,25 kg/dm³ (at +23 °C).

Solid content Approx. 63% (by weight).



Mechanical/ Physical properties

Bond strength by pul-off $\geq 1,0 (0,7) \text{ N/mm}^2$. (EN 1542)

Crack bridging properties resistance Class A5 (at +23 °C). (EN 1062-7)

System information

System structure

Mineral surfaces:

Primer	1 x Sikagard®-551 S Primer 1 x Sikagard®-552 W Aquaprimer
Coating*	2 – 3 x Sikagard®-570 W Pele Elástica® + Fibras

Bituminous screens::

Primer	1 x Sikagard®-570 W Pele Elástica® + Fibras diluted with 10% of water
Coating*	2 – 3 x Sikagard®-570 W Pele Elástica® + Fibras

Metal surfaces:

Primer	1 x SikaCor® EG-1
Coating*	2 – 3 x Sikagard®-570 W Pele Elástica® + Fibras

* Number of coats varies with the state of the base and the need of waterproofing.

Spot coat:

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

Application details

Consumption/ Dosage

Producto	Consumo
Sikagard®-570 W Pele Elástica® + Fibras diluted with 10% of water	Approx. 0,7 – 0,9 kg/m ² /coat
Sikagard®-570 W Pele Elástica® + Fibras: ■ On roofs* ■ On vertical surfaces**	Approx. 1,0 kg/m ² /coat Approx. 0,5 kg/m ² /coat

* 3 coats of Sikagard®-570 W Pele Elástica® + Fibras.

** 2 coats of Sikagard®-570 W Pele Elástica® + Fibras.

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

Fill cracks, voids and pores with Sikagard® 570 W Pele Elástica® + Fibras 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® + Fibras 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.

Concrete or mortar:

- 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):

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.

Sufficient adherence of old paint:

Thoroughly clean all surfaces by washing with steam or water spray. Use Sikagard[®]-552 W Aquaprimer as primer.

Bituminous cards/ Bituminous screens:

- 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[®] + Fibras diluted.

Metallic bases:

- 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% r.h.

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[®] + Fibras is supplied ready for use. Thoroughly mix the product packaging prior to application.

**Application method/
Tools** Sikagard[®] 570 W Pele Elástica[®] + Fibras can be applied by brush, roller or airless spray. Dilution lowers the stability of Sikagard[®] 570 W Pele Elástica[®] + Fibras.

Apply successive crossed coats when the previous one is completely cured. (Variable according to weather conditions).

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

**Notes on application/
Limitations**

- Do not use on bases in constant contact with water (storage, saturated bases or subject to condensing).
- Sikagard[®]-570 W Pele Elástica[®] + Fibras is a finish paint, requires no liner.
- 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.

Curing Details

Applied product ready for use Dry to touch in approx. 6 hours (at +25 °C).
Dry thoroughly in 24h (at +25 °C).
The speed of drying may be delayed in the case of low temperature and/or high relative humidity.

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.

"Manufacturers civil responsibility is covered by insurance policy n° CH00003018LI05A with XL Insurance Switzerland "

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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