BUILDING TRUST

PRODUCT DATA SHEET

Sikagard®-570 W Pele Elástica + Fibras

1-COMPONENT, ELASTOPLASTIC-WATERPROOFING COATING WITH FIBERS FOR ROOF APPLICATIONS

CE

DESCRIPTION

Sikagard®-570 W Pele Elástica + Fibras is an aqueous coating, based on styrene-acrylic dispersion with fibers. After drying, it forms a joint-free, elastic-plastic coating, with crack bridging properties even at low temperatures.

USES

- Waterproofing membrane for roofings subject to occasional pedestrian traffic and peripheral vertical surfaces.
- For continuous coating of roofs, particularly in case of repairs, on asbestos, bituminous membranes, 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

- Fiber reinforced
- Crack bridging properties
- Good adhesion on various substrates
- High color stability / does not yellow
- Resistant against weathering
- Easy application
- Allows application on high thickness layers
- Good vapor permeability
- High resistance against CO_2 (reduces carbonation rate)
- Applicable on vertical surfaces also
- Does not contain solvents (water based formulation)

APPROVALS / CERTIFICATES

CE-marking and Declaration of Performance as coating for surface protection of concrete according to EN 1504-2:2004, based on certificate of factory production control issued by notified factory production control certification body and type testing.

PRODUCT INFORMATION

Composition	Aqueous dispersion of styrene-acrylic resins
Packaging	18 kg plastic pails
Colour	White, grey and tile
Shelf life	12 months from date of production
Storage conditions	Stored in undamaged and unopened, original sealed packaging, in dry conditions. Protect from direct sunlight.
Density	~ 1,25 kg/lt (at +23 °C)
Solid content by weight	~ 63%

TECHNICAL INFORMATION

Tensile Strength	≥ 1,0 (0,7) N/mm²	(EN 1542)
Crack Bridging Ability	Class A5	(EN 1062-7)
Solar Reflectance	0,81 All values refer to the inital (properly cured, non-weathered) status of Sikagard®-570 W Pele Elástica + Fibras white.	(ASTM E903-12)
Thermal Emittance	0,84 All values refer to the inital (properly cured, non-weathered) status of Sikagard®-570 W Pele Elástica + Fibras white.	(ASTM C1371-04a)
Solar Reflectance Index	104 All values refer to the initial (properly cured, non-weathered) status of Sikagard®-570 W Pele Elástica + Fibras white.	(ASTM E1980-01)

SYSTEMS

System Structure

Mineral surfaces:

Primer	1 x Sikagard®-570 W Pele Elástica + Fibras diluted with 10% water or 1 x Sikagard®-552 W Aquaprimer or 1 x Sikagard®-551 S Primer or 1 x SikaColor®-500 W Primer
Coating*	2 – 3 x Sikagard®-570 W Pele Elástica + Fibras

Bituminous felts:

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 according quality 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 the main coating application.

APPLICATION INFORMATION

Yield

Product	Consumption
Sikagard®-570 W Pele Elástica + Fibras diluted with 10% of water	~ 0,7 – 0,9 kg/m²/coat
Sikagard®-570 W Pele Elástica + Fibras:	
On roofs*:	~ 1,0 kg/m²/coat
On vertical surfaces**:	~ 0,5 kg/m²/coat

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

Ambient Air Temperature	Min.: +5 °C / Max.: +35 °C
Relative Air Humidity	Max. 80% r.h.
Substrate Temperature	Min.: +5 °C / Max.: +35 °C

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.	
Substrate Pre-Treatment	The surface must be clean, dry and free of all contaminants e.g. dirt, oils, grease, coatings and surface treatments, e.t.c. If in doubt, apply a test area first.	
Applied Product Ready for Use	Touch dry	~ 6 hours (at +23 °C)
	Full cure	~ 24 hours (at +23 °C)
	The speed of drying may be delayed in the case of low temperature and/or high relative humidity.	

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The surface must be clean, dry and free of all contaminants e.g. dirt, oils, grease, coatings and surface treatments, e.t.c.
If in doubt, aplly a test area first.
Fill cracks, voids and pores with Sikagard®-570 W Pele Elástica + Fibras. If necessary, apply a thin layer levelling mortar or sealing of pores with Sika MonoTop® or SikaRep® mortars. Allow the cementitious mortar to cure for at least 4 days before application of Sikagard®-570 W Pele Elástica + Fibras.

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):

Insufficiently adhering existing paints: Remove old paint thoroughly by suitable methods, leaving the base sufficiently strong and sound so it can be painted as indicated above.
Sufficiently adhering existing paints: carefully clean the entire surface by flushing with steam or water spray. Use Sikagard®-552 W Aquaprimer as a primer.

Bituminous felts:

- Cut the bubbly pad and lift the edges.
- Allow to dry, clean and apply Sika® Blackseal BT or Sika® Bituseal Mastic 999.
- Leave to dry superficially and press the edges. Cracks in bituminous felts should be filled with diluted Sikagard®-570 W Pele Elástica + Fibras. Alternatively use a torch.

Metal surfaces:

- 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.

MIXING

Sikagard®-570 W Pele Elástica + Fibras is supplied ready for use.
Thoroughly mix the product packaging prior to application.

APPLICATION

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 coats crosswise when the previous one has completely cured. (Curing time depends on weather conditions).

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Do not use on bases in cases of constant contact with water (e.g. storage tanks, saturated bases or subject to condensation).
- Sikagard®-570 W Pele Elástica + Fibras is a final coating and does not require additional protective coating.
- In joints, cracks or seams, glass fiber net should be applied in order to enhance their bridging. Fiber net should not adhere to the substrate.
- Do not place objects on the coating that can physically damage it.
- Not recommend for coating submerged surfaces.

BASIS OF PRODUCT DATA

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) con-

taining physical, ecological, toxicological and other safety-related data.

DIRECTIVE 2004/42/CE LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / i type WB) is 140 g/l (Limits 2010) for the ready to use product. The maximum content of Sikagard®-570 W Pele Elástica + Fibras is < 140 g/l VOC for the ready to use product.

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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