satex
Spezialist Für Bau Technik

Satex B2K

Flexible, plastic modified, two component bitumen waterproofing coating

Properties

Satex B2K is plastic modified two part bitumen waterproofing coating. The product is free from solvent. After curing, its flexible and adhesive, resistant to aging, water, numerous salt solutions, light acids and all aggressive substances to be usually found in soils. It is particularly watertight and waterproof due to the admixture of the powder component and suitable for all mineral substrates. Flexible after curing, will bridge hair cracks and level unevenness. Bridges cracks up to 3mm, even in the case of protuding joints and due to chemical reaction, resistant to rain after a short time.

Area of applications

Satex B2K outstandingly suitable for a permanent, flexible and reliable waterproofing of surfaces. It can be universally applied to all mineral substrates such as concrete, masonry of concrete bricks, sand lime bricks, bricks, Poroton and foam concrete, plaster and floor screed as well against humidity, pressure and non pressure water Satex B2K is suitable for thesandwich waterproofing of wet areas and bathrooms. The product is excellent adhesives for spot or all over bonding of expanded boards, extruded boards of rigid polystyrene and mineral insulation boards.

Product Data

Type	Two component re action compound
Base	bitumen emulsion, Plastic modified
Solvents	none
Asbestos fibres	none
Colour	black
Density of the Satex B2K ready mixture	= appr. 1.2 kg/dm^3
Density of the B2K liquid component	= appr. 1.0 kg/dm^3
Bulk density of the B2K powder component	= appr. 1.3 kg/dm^3
Consistency of the B2K mixed compound	= semi liquid.
Application	By brush or squegee
Dry residue	approx. 64 %
Potlife at + 20 °C	appr. 90 minutes,
Curing time	approx. 3 days
Material temperature range for application air and substrate	+10°C to +50°C
Temperature during application	+2°C to +35°C
Softening point (R.a.B. method)	appr. + 100 °C
Cleaner	water when fresh, thinner T or X when dry

Working instructions

The action of waterproof as,

Soil moisture
Non pressure water
Pressure water from outside

Soil moisture

As a rule, soil moisture occurs in non cohesive, well pervious soils such as gravel or sand and when there is no ground water.

Non pressure water

This is the range of application for waterproofing against water in liquid form (unlike soil moisture) such as precipitation, infiltration or industrial water exerting no or only temporarily a low positive hydro static pressure on the waterproofing layer.

Pressure water

This is the range of application for waterproofing against pressure water from outside, i.e. water exerting a positive hydrostatic pressure from outside on the waterproofing layer. Above the basement foundation, ground water will have the effects of pressure water.

Mixing

Before application, the powder component is added to the liquid component. Satex B2K is mixed with an electric drill until a homogeneous, lump free compound is achieved. The quantities of liquid (22) and powder (8 kg) are adjusted to each other. When mixing partial quantities, the mixing ratio indicated on the pail must be observed. Time available for the application of the ready mixed material is appr. 1 to 2 hours. Low temperatures will slow, high temperatures accelerate setting.

Preparation of substrates

The first step of application is the pretreatment of the substrate. Protruding mortar residues must be removed. Clear footing edges from rumble and earth. Poorly filled or unfilled wall joints must be closed with Satex mortars. (Satefix Dspachtel or SatexRM) The substrate must be firm, clean and free from dust, but may be dry or temporarily sligthly moist. It must not carry any tarpitch or other coating. Macroporous substrates and rough surface requires a previous application of Satex B2K in order to avoid the formation of air bubbles. This previous coat must be dry before proceeding to the next application step.

Application as a waterproofing layer

The waterproofing layer is applied by brush or squeegee. The composition and the thickness of the layer result from the determined water pressure as follows:

Primer

As prime coat Satex BEm diluted with water at a ratio of 1 : 5. or Satex B2K (only bitüm) penetration of moisture behind the waterproofing wards, the black waterproofing coat of asphalt and plastics must not show above the soil surface.

Consumption

Soil moisture: 2.5 kg/m^2.
Non pressure water: 3.-3.5 kg/m^2.
Pressure water: 4-6 kg/m^2.
The ccosumption of Satex B2K depends on water behaviers and the surface.

Delivery and storage

Satex B2K is delivered in 30kg pail(set) and 22 kg containers (liquid) and 8 kg bags (powder). Can be stored dry and frost free in original sealed packing for at least 12 months.

Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowlodge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earliertechnical data on this product.

Satex Chemie GmbH Westerbachstraße 47 Frankfurt am Main Germany
Telefon: +49(0)69-26 49 22 420 Telefax: +49(0)69-26 49 22 444 email: info@ satexchemie.com web: www.satexchemie.com