CHELFIX CONSTRUCTION CHEMICALS

Chelfix Bitumen 40SB 2K

Bitumen-Rubber Based,
Two Component Waterproofing Material

TS EN 15814+A2

Public Pos. No: 04.626/7E

Product Description

Two component, waterproofing material based on polymer bitumen-rubber based, cracked, applied from the positive side.

Areas of Usage

- In Terrace,
- In the basement and curtain walls,
- On mineral surfaces that come into contact with the ground,
- For all kinds of reinforced concrete structures under the ground and on the ground,
- In the insulation of wet places

Features and Benefits

- Can be applied with brush or airless spray gun.
- Does not sag on vertical surfaces.
- Maintain elasticity even at low temperatures.
- It can be applied on all mineral surfaces such as concrete, stone, brick, briquette.
- It provides water isolation against jointless, seamless and all kinds of water and humidity effects.
- Solvent free,
- It can be applied on dry and slightly moist surfaces.
- Crack bridge can be built.
- Radon gas is impermeable

Application Instructions

Surface Quality: The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. If there is segregation in concrete, it should be discarded and loose parts should be removed, weak parts should be removed. If there is crack, hollow on the floor or wall to be applied, it should be repaired with appropriate repair mortars. Chelfix Bitumen 40SB 2K application should be started 3-4 days later.
Surface Preparation: The surface to be insulated must be dry. Water puddles should be removed if there is pond watering. If there is dilatation of the structure before applying Chelfix Bitumen 40SB 2K, it is firstly necessary to isolate the dilatation using Pah Bandi and Chelfix Bond 400 D. Later isolation of dilatations is more difficult and costly.

Application Notes / Restrictions

- Foreign materials should not be added.
- It should not be applied under direct sunlight.
- Should be applied in two layers.
- It should not be applied in the rain.
- The product should not be diluted with water.
- Newly applied material is finished to cure, etc. until rain. it must be protected against weather conditions.
- Component B is added to Component A 400K, Component A in a clean container, or in its own container, which is free from any obstructive material. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. Mixing time should be minimum 5 min.

- Apply Primer or Chelfix Bitumen 40SB 2K liquid component 1/10 on the surface to be applied. After waiting 30 minutes to 1 hour, the mixture is applied to the surface with the ready-to-apply product, hard-bristled brush or spraying machine. After completing the reaction of the material,
  2. coat application is made in the perpendicular direction of the first coat application.
- The waiting time between floors is at least 5 hours. After the first coat has been applied, it can be passed to the other floors when there is no trace on the fingers in the manual control. If desired, it can be used as carrier glass fiber, reinforcement throughout the floors.
- Since the product does not have UV resistance, it is absolutely necessary to use heat insulation plates, protection plates, geotextile felt, should be covered with.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be cleaned thoroughly with water and detergent before it is fully cured and hardened.
- Immediately after application, before hardened, the equipment should be cleaned with Thinner. After the product is hardened, it should be cleaned by mechanical methods.

Technical Data

CHARACTERISTIC PROPERTY	STANDARD	TS EN 15814 + A2 REQUIREMENTS	CONCLUSION
Crack Bridging	TS EN 15812	+4°C, 2 mm crack, ≥ 3mm dry film	CB2
Rain Resistance	TS EN 15816	≤ 8 hours, ≥ 3mm dry film	R2
Water Resistance	TS EN 15817	1. There must be coloration in the water 2. There should be no separation from the e reinforcement, 3. ≥ 4mm dry film application (on cured product)	appropriate
Flexibility at Low Temperatures	TS EN 15813	0°C, There should be no cracks	appropriate
Dimensional Stability 70°C	TS EN 15818	70°C de, No bleeding or sagging	appropriate
Film Thickness Reduction After Drying	TS EN 15819	≤ 50 %	appropriate ≤ 50 %
Response to Fire	TS EN 13501-1	According to Classification EN 13501-1	E
Waterproofing	TS EN 15820	≥72 hour, 0,075 N/mm² pressure, reinforcement, dry film thickness ≥ 4mm	CLASS W2A
Compression Resistance	TS EN 15815	reinforcement, dry film thickness ≥ 4mm, 0,30 MN/mm² stable under pressure ≤ %50	CLASS C2A

Other Technical Information

FLEXIBILITY %	TS EN ISO 527-3	>%100
Intensity (g/ml)	TS 132	A:1± 0,02 A+B:1,12 ±0,02
Pot Life (min)	LTY	60
Drying(day)	LTY	3
Curing (hours)	LTY	24
Packaging	LTY	32 kg set
Shelf Life	LTY	12 months in unopened packaging
pH	LTY	>10
Time for Soil Filling	LTY	3 Day
Application Temperature	LTY	(+5 C°)- (+30 C°)
Dangerous substance	-	Does not contain hazardous materials

Area of Application	Min. Application Thickness (Dry Film Thickness)	Consumption
Grounds exposed to nematode and unpressurized water	2 mm	3.0 kg / m²
Temporary pressure water insulation (accumulating ground water)	3 mm (Netting application)	4.5 kg / m²
Continuous pressurized water insulation (ground water)	4 mm (Netting application)	6.0 kg / m²