

SpEC Bitprufe 115/15

HOT MELT OXIDISED BITUMEN

DESCRIPTION

SpEC Bitprufe 115/15 is manufactured by blowing hot air through the soft bitumen by-product of crude oil refining. Under controlled conditions, this process alters the bitumen to give it rubber-like characteristics. The suffix 115/15 refers to the softening point and penetration of the compound respectively.

TYPICAL USES

SpEC Bitprufe 115/15 is used in a variety of applications, such as:

- Protection of below ground concrete in buildings and civil engineering works
- Bonding course in built-up roofing (BUR) systems
- Bonding course in hot mop bridge decking systems.

ADVANTAGES

- Excellent adhesion to most building substrates
- Good slump resistance at high temperatures in vertical and sloping surfaces
- Quick drying-intercoat time is minimized
- Resistant to moisture penetration and good waterproofing properties.
- Immune to dry and wet rot, fungus attack and similar forms of deterioration.

RELEVANT STANDARDS

SpEC Bitprufe 115/15 conforms to the following standards:

- ASTM D312:1995a - Table 1, Type IV for BUR

TECHNICAL DATA

Form	Solid
Solids content	100%
Softening Point	110 °C min. 120 °C max.

Penetration @25°C	10 dmm min. 15 dmm max.
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Loss of heating for 5h @163°C	0.2
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Solubility in trichloroethylene	99%
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APPLICATION

Surface preparation

Surfaces onto which coating is to be applied must be sound and clean. Dust, loose materials and protrusions must be removed and cracks, holes, etc., made good.

Priming

Cementitious surfaces must be primed with a coat of **SpEC Black Bitumen Paint** at 5m²/litre. Allow primer to dry completely before application of **SpEC Bitprufe 115/15**.

Application

SpEC Bitprufe 115/15 is supplied in solid form and must be heated to a molten state for application.

After removal of the packaging, cakes of material are placed into a proprietary bitumen heating kettle equipped with mechanically operated agitators and thermometers to monitor the temperature, which must not exceed 220 °C at any time.

The molten bitumen should be transferred from the kettle to the point of application using a suitable container.

SpEC Bitprufe 115/15 is applied by mop or stiff brush. **SpEC Bitprufe 115/15** must not be heated on direct fire and/or in original packaging.

EQUIPMENT CLEANING

SpEC Bitprufe 115/15 maybe removed from tools and equipment with **SpECTite Cleaning Fluid**. white spirit or kerosene.

PACKAGING & YIELD

SpEC Bitprufe 115/15 is supplied in 200kg open to top metal drums with a coverage rate of 1- 1.5kg/m² per coat (minimum 2 coats)

STORAGE & SHELF LIFE

Store **SpEC Bitprufe 115/15** in original containers, away from sources of extreme heat and naked fire.

SpEC Bitprufe 115/15 has a shelf life of 24 months when stored under favorable conditions.

HEALTH & SAFETY

Never attempt to heat **SpEC Bitprufe 115/15** in a closed container as gas formation might lead to explosion. Do not allow water to come in contact with hot bitumen

Skin Contact Do not allow hot bitumen to come in contact with hands or skin. Use protective clothing and gloves while handling. In the event of contact, immediately apply ice or cold water and seek medical attention.

Eye Contact Do not allow hot bitumen to come in contact with eyes. Use suitable safety goggles. In the event of contact, seek medical attention

Inhalation Move the affected person away to fresh air. If discomfort continues, seek medical advice.

Spillage Spilled material must be removed immediately using an inert, absorbent medium such as sand, and discarded in a safe place.

FLAMMABILITY

In case of fire, use dry powder or carbon dioxide foam extinguisher, sand or earth. Do not attempt to use water for this purpose.

FLASHPOINT

SpECTite Bitprufe 115/15 225 °C

SpECTite Cleaning Fluid 34 °C

Issue 3: 11/2013

QA-054

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Distributed by: **EMIRATES SPECIALITIES CO., L.L.C.**

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