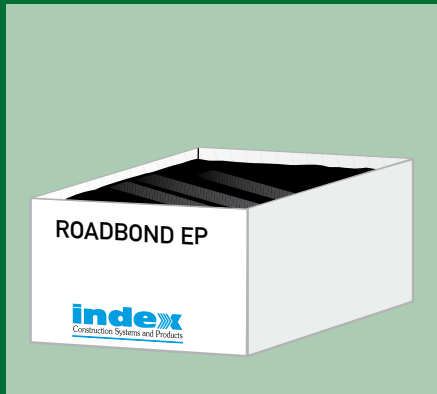


ROADBOND EP

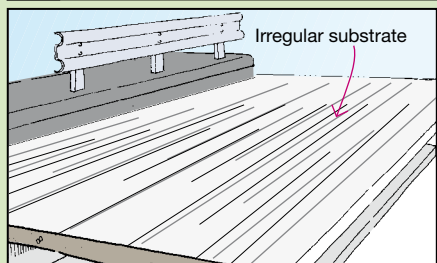
ELASTOPLASTOMERIC POLYMER DISTILLED BITUMEN MASTIC IN CAKES FOR HOT SPREADING ON CEMENT DECKS



Polymer distilled bitumen mastic

CATEGORY	CHARACTERISTICS	ENVIRONMENTAL						METHOD OF USE	
 ELASTOPLASTOMERIC		 ECO GREEN	 ASBESTOS FREE	 TAR FREE	 CHLORINE FREE	 RECYCLABLE	 NON DANGEROUS WASTE	 EXHAUSTED OIL FREE	 HOT APPLIED (BOILER)

1 PROBLEM



HOW TO REDUCE THE ROUGHNESS OF THE SUBSTRATE OF THE MEMBRANES ON CEMENT ROAD DECKS

The surfaces of rugged or irregular bridge deck slabs do not allow the correct adhesion of the preformed waterproofing membrane.

The precaution of evening the laying surfaces with hot spreading of a mix of elastoplastomeric polymer distilled bitumen of the same nature as the waterproofing membrane which must be poured above, meets the needs set down in the "Special contract specifications - Second Part - Edition JANUARY 2008 - Autostrade per l'Italia, ANAS Specifications and subsequent calculations contained in the Special contract specifications of various provinces and municipalities.

2 SOLUTION

ROADBOND EP is a bituminous mastic to be spread in its melted state with no minerals. It consists of distilled bitumen selected for industrial use, added with a high content of elastomeric and plastomeric polymers such to obtain a "phase inversion" bond whose continuous phase is formed of a polymer in which the bitumen is dispersed, with the characteristics being determined by the polymer matrix rather than by the bitumen, even though this constitutes the main ingredient.

The performance of the bitumen as well as its durability and resistance to low and high temperatures are thus improved while the already excellent adhesion and impermeability qualities of the bitumen remain unaltered. **ROADBOND EP** is provided in cakes packaged in cardboard boxes with silicone-coated walls to facilitate the detachment during use and may be stored for an unlimited period.

APPLICATION FIELDS

Preventive spreading of the cement deck with **ROADBOND EP**: "Indicatively it will be adopted", in compliance with the provisions of the previously mentioned Special Contract Specifications, "in case of slabs with rough or irregular and/or damp surfaces or even not perfectly cured, with a daytime temperature lower than 10°C".

Using 1 kg/m² of spread approximately allows the reduction of 1 mm of thickness of the preformed membrane, which will be subsequently bonded by torching.

ROADBOND EP is used to lay TESTUDO ROAD 300 and TESTUDO ROAD 250 preformed waterproofing membranes complying to the 2nd Spreading Method envisaged in the Specifications.

METHOD OF USE

The Special Contract Specifications envisage: "spreading about 1 Kg/m² of the same bituminous mass that makes it up (i.e. the preformed membrane) (also diluted with a maximum of 20% of 60/70 bitumen), above the attachment primer to the slab".

The prepared deck complying with the indications contained in point 33.1 of Art. 33 "State-of-the-art waterproofing" of the "Special contract specifications - Second Part - Edition JANUARY 2008 - Autostrade per l'Italia, will be treated with a coat of primer and, once dry, **ROADBOND EP** will be spread hot.

The **ROADBOND EP** cakes, after being taken out of the packaging, must be melted in a suitable melting furnace, which must be fitted with a stirrer and temperature gauge. The melting and spreading temperature advised is 180°C and the melted material may be maintained at this temperature while stirring for a maximum of 4 hours. 190°C must not be exceeded; it may be maintained at this temperature for a maximum of 2 hours.

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TECHNICAL CHARACTERISTICS

	Standard	T	ROADBOND EP
Ring and ball softening point temperature	EN 1427		>130 °C
Volume mass (density) at 25°C	EN 13880-1	±5%	1.02 kg/dm³
Fraas breakage point		≤	-15°C
Viscosity at 180°C		≥	2 000 Pa s

product in use. Considering the many possible uses and the possible interference of elements not under our control, we take no responsibility for the results. The Purchaser is responsible for establishing the suitability of the product for the envisaged use.

The data provided are indicative mean data for current production and may be changed and updated by INDEX at any time, without notice. The technical information and suggestions provided represent our best knowledge of the properties of the

PACKAGING

ROADBOND EP

- Cakes in silicon-coated boxes of 13÷15 kg each

• FOR THE CORRECT USE OF OUR PRODUCTS, CONSULT INDEX TECHNICAL SPECIFICATIONS • FOR FURTHER INFORMATION OR SPECIAL USES, CONSULT OUR TECHNICAL OFFICE •

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Construction Systems and Products

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