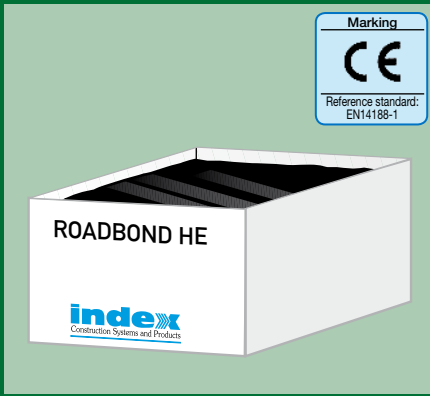


# ROADBOND HE

ELASTOMERIC POLYMER DISTILLED BITUMEN MASTIC IN CAKES FOR HOT SEALING OF JOINTS AND CRACKS



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

## PROBLEM

### HOW TO LENGTHEN THE USEFUL LIFE OF THE ROAD PAVING AND SCHEDULE THE RENOVATION



Through the cracks in the road paving, due to the "pumping" generated by the road traffic, rain water transports to the surface the fine parts of the layers not bound to be substrate, thus causing the progressive collapse of the road paving.

Preventive maintenance of the road lengthens its life and allows the renovation work to be scheduled over time; the sealing of the cracks that form on the bituminous conglomerate paving in particular is one of the most important measures to prevent degradation.

## SOLUTION

**ROADBOND HE** It is the most practical, effective and longlasting remedy for the repair and hot sealing of cracks.

The volume contraction and the setting time during the installation phases are considerably lower than the systems based on the use of cold sealants containing volatile parts.

**ROADBOND HE** is a bituminous mastic to be poured hot, CE marked and complying to EN 14188-1; it consists of a mixture of distilled bitumen, SBS thermoplastic elastomeric polymers and tackifying resin.

**ROADBOND HE** is elastic even at low temperatures, has a high superficial hardness, is resistant to heat and tenaciously adheres to the surfaces it is applied on.

**ROADBOND HE** 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

**ROADBOND HE** is used to seal cracks more than 5 mm wide.

**ROADBOND HE** is used on horizontal laying surfaces for hot sealing of cracks in road paving where it is possible to manually pour or use suitable sealing machinery.

**ROADBOND HE** is also used to seal concrete paving joints.

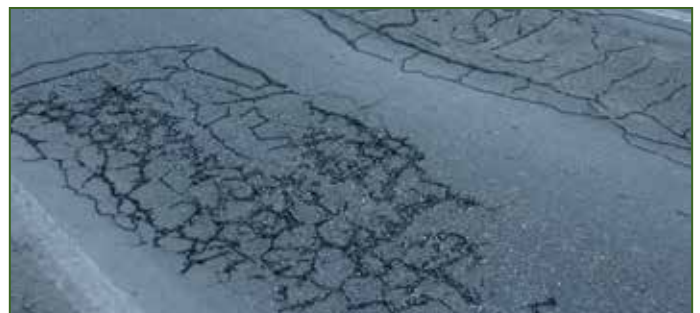
## METHOD OF USE

In road paving, before undertaking pouring operations, it is necessary to carefully clean the joint or damaged area by eliminating any foreign bodies; for longlasting sealing, eliminate of any trace of damp by heating the crack with the suitable thermal lance.

In case of sealing the joints of cement strips or in case of dusty surfaces, it is necessary to previously treat the crack with the primer INDEVER PRIMER E.

The **ROADBOND HE** 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 pouring temperature advised is 160 and the melted material may be maintained at 150÷170 °C for maximum 6÷8 hours. To avoid

the gelatinization of the melted mastic, which would make it useless, the temperature of 180 must not be exceeded; it may be maintained at this temperature for a maximum of 2 hours. Considering that the mastic has a volume mass (density) of about 1 kg/dm<sup>3</sup> and that it does not contain volatile parts, 0.1 kg per metre of length is used to seal a crack of 1 cm<sup>2</sup> of section.



## TECHNICAL CHARACTERISTICS

	Standard	T	ROADBOND HE
Ring and ball softening point temperature	EN 1427		>120 °C
Volume mass (density) at 25°C	EN 13880-1	±5%	1.02 kg/dm³
Elastic return	UEAtc	±5%	100%
Hardness	ASTM D 2240		50 index
Cone penetration at 25°C	EN 13880-2		>45 dmm
Stability to heat / penetration at 25°C	EN 13880-4		>40 dmm
Stability to heat / penetration and return at 25°C	EN 13880-4		>60%
Stability to heat at 60°C for 5 h 75° angle	EN 13880-5		<2 mm

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

Cakes in silicon-coated boxes of about 17 kg each

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

<p style="margin: 0;"><b>index</b> Construction Systems and Products</p> <p style="margin: 0; font-size: x-small;">Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	Internet: <a href="http://www.index-spa.com">www.index-spa.com</a> Informazioni Tecniche Commerciali <a href="mailto:tecom@indexspa.it">tecom@indexspa.it</a> Amministrazione e Segreteria <a href="mailto:index@indexspa.it">index@indexspa.it</a> Index Export Dept. <a href="mailto:index.export@indexspa.it">index.export@indexspa.it</a>		<p style="font-size: x-small;">UNI EN ISO <b>9001</b></p>	<p style="font-size: x-small;">UNI EN ISO <b>14001</b></p>	<p style="font-size: x-small;">index socio del GBC Italia</p>	
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