



RMB 3™ Elastomer Modified Bitumen

Product Data Sheet 2012/08

DESCRIPTION

RMB 3™ is a 70/100 penetration grade bitumen modified with SBR latex.

USES

RMB 3™ is used mainly for resealing roads with surface cracks < 5 mm but can also be used during new construction. Can be applied at higher application rates than conventional hot binders without the risk of bleeding.

PROPERTIES

RMB 3™ has improved rheological binder properties versus conventional hot binders across the in-service temperature range.

SPECIFICATIONS

RMB 3™ conforms to the S-E1 specification for polymer modified binders for use in seal applications.

BINDER PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Before Ageing			
Softening point, °C	50	60	MB-17
Dynamic viscosity @ 165°C, Pa.s	-	0.55	MB-18
Elastic recovery @ 15°C, %	50	-	MB-4
Flash point, °C	230	-	ASTM D93
Stability (R&B dif @ 160°C), °C		5	MB-6
After Ageing (RTFO)			
Mass change %	-	1.0	MB-3
Difference in softening point, °C	-2	+8	MB-17
Elastic recovery @ 15°C	40	-	MB-4

DIRECTIONS FOR USE

1. Precoating of stone is recommended.
2. Chip spreader to follow closely behind sprayer.
3. Apply with a conventional distributor at a minimum road surface temperature of 25°C and rising.
4. The seal can be opened to traffic immediately after rolling and sweeping without the risk of chip loss.
5. Recommended storage and handling criteria for RMB 3™ are as follows:

Spray temperature	190 - 210°C	
Maximum storage temperature	180°C	150°C
	< 24 hours	24 - 240 hours

Note: It is important to circulate binder during heating as prolonged intense heating will cause localised overheating that may result in carbonisation of the binder on the flues. The aforementioned can result in polymer degradation which could lead to a reduction in the binder softening point. Every attempt should be made to reduce the binder temperature during transportation and storage.

Head Office

Cape Town PO Box 82 Eppindust 7475 **Tel** +27 (0)21 531 6406 **Fax** +27 (0)21 531 5514 **Email** colas@colas.co.za **Website** www.colas.co.za

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