

# POLYMER MODIFIED BITUMEN CLASS 4 PMB 45/80-65 (EUROBITUM 45-80)

USE: AT BUILDING OF HOT BITUMINOUS ROLLED PAVEMENTS

PROPERTY	UM	LIMITS		TEST METHOD
		Min.	Max.	
Penetration at 25 <sup>0</sup> C	1/10 mm	45	80	SR EN 1426-07 ASTM D 5-06
Softening point (Ring and ball)	<sup>0</sup> C	65		SR EN 1427-07 ASTM D 36-09
Cohesion - Force Ductility (traction 50mm/min)	J/cm <sup>2</sup>	NPD <sup>A</sup>		SR EN 13589-08 followed by SR EN 13703-04
Elastic recovery at 25 <sup>0</sup> C	%	80		SR EN 13398-10
Flash point	<sup>0</sup> C	250		SR EN ISO 2592-03 ASTM D 92-05a
Fraass Break point	<sup>0</sup> C		-13	SR EN 12593-07
Determination of resistance to hardening under the effect of heat and air				RTFOT Method
- residual penetration at 25 <sup>0</sup> C	%	50		SR EN 12607-1/07
- increasing the softening point	<sup>0</sup> C		8	ASTM 2872-04
- mass variation <sup>B</sup>	%	-	±0,5	
- elastic recovery at 25 <sup>0</sup> C	%	70		
Storage stability				SR EN 13399-10
-difference in penetration at 25 <sup>0</sup> C	1/10 mm		9	SR EN 1426-07, ASTM D 5-06

Note: <sup>A</sup> NPD= No Performance Determined;  
<sup>B</sup> Mass variation could be positive or negative.

Polymer modified bitumen application is subject to the technical prescriptions contained in:

- SR EN 174-1 2009/C92:2010 “Hot bituminous rolled pavements”
- SR EN 14023 – 2010 National Annex – “Bitumen and bituminous binders – Specification framework for polymer modified bitumens”

**Quality control:** the control is done on lot (batch)

The batch size correspond to tank capacity, max.150 tones for delivery in trucks or railroads and will consist of the same type product.

For each lot must to check all quality coefficients provided in standard specification of the product/type.

The product must to comply with all provided characteristics. If not, the lot is rejected.

In case of litigation, quality control will be made on samples taken in accordance with sampling procedure and hold for this case.

**Sampling procedure:** SR EN 58:2012 ASTM D 140/D140M-16

Information on product classification, packing, labelling, handling, transport and storage: according to Safety Data Sheet 87V.

**The integrated Quality-Environment-Occupational Health and Safety Management System** is certified by DNV-GL according to the following standards:

- ISO 9001
- ISO 14001
- BS OHSAS 18001

The test lab is accredited by RENAR, in compliance with SR EN ISO/CEI 17025.

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