

# ELASTER BM-3a (PMB 45/80 – 55)

## DEFINITION:

Polymer modified bitumen complying with EN 14023 standard and obtained by chemical reaction between the base binder and an elastomeric polymer.

## SPECIFICATIONS:

Characteristics	Units	Standard	Min.	Max.
<b>Original binder</b>				
Penetration (25 °C; 100 g; 5s)	0,1 mm	EN 1426	45	80
Softening point	°C	EN 1427	55	-
Fraass braking point	°C	EN 12593	-	-12
Storage stability:		EN 13399		
• Difference in softening point	°C	EN 1427	-	5
• Difference in penetration (25 °C)	0,1 mm	EN 1426	-	9
Elastic recovery (25 °C)	%	EN 13398	50	-
Flash point	°C	EN 2592	235	-
Force ductility (10°C)	J/cm <sup>2</sup>	EN 13589	2	-
<b>RTFOT residue</b>				
Mass variation	%	EN 12607-1	-	0,8
Penetration (25 °C; 100 g; 5 s)	% p.o.	EN 1426	60	-
Increase in softening point	°C	EN 1427	-	8
Decrease in softening point	°C	EN 1427	-	5

## APPLICATIONS:

- Bituminous mixtures.

## RECOMMENDED WORKING TEMPERATURES:

- Mixing temperature (°C): 155- 165.
- Working temperature (°C): 155- 165.
- Compaction temperature (°C): 150- 160.
- Maximum heating temperature (°C): 175.