

ELASTER BM-3b (PMB 45/80 – 60)

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.
Original binder				
Penetration (25 °C; 100 g; 5s)	0,1 mm	EN 1426	45	80
Softening point	°C	EN 1427	60	-
Fraass breaking 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 (5°C)	J/cm ²	EN 13589	2	-
RTFOT residue				
Mass variation	%	EN 12607-1	-	1,0
Penetration (25 °C; 100 g; 5 s)	% p.o.	EN 1426	60	-
Increase in softening point	°C	EN 1427	-	10
Decrease in softening point	°C	EN 1427	-	5

APPLICATIONS:

- Discontinuous mixtures.
- Draining mixtures.
- SMA and AUTL mixtures.
- Fatigue and cracking resistant mixtures.
- Conventional 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.