

ELASTER RAF BT (PMB 45/80 – 75)

DEFINITION:

Polymer modified bitumen obtained by chemical reaction between the base binder and an elastomeric polymer, designed for warm mix fabrication. It includes waxes for viscosity reduction in order to reduce fabrication temperatures as well as energy consumption and greenhouse gas emissions.

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	75	-
Fraass breaking point	°C	EN 12593	-	-15
Storage stability:		EN 13399		
• Difference in softening point	°C	EN 1427	-	5
• Difference in penetration (25 °C)	0,1 mm	EN 1426	-	13
Elastic recovery (25 °C)	%	EN 13398	80	-
Flash point	°C	EN 2592	235	-
Force ductility (5°C)	J/cm ²	EN 13589	3	-
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:

- Warm asphalt mixtures.
- Mixtures requiring long transportation time and/or implementation procedures.
- Anti-cracking mixtures.
- Anti-rutting mixtures.
- SMA and AUTL mixtures.
- High performance asphalt mixtures.

RECOMMENDED WORKING TEMPERATURES:

- Mixing temperature (°C): 140 - 185.
- Working temperature (°C): 175- 185.
- Compaction temperature (°C): > 135.
- Maximum heating temperature (°C): 190.

*According to transportation time and mixture characteristics.