

Modulotal[®] 15/25

Bitumen for high-modulus asphalt

CHARACTERISTICS	UNITS	METHOD	Modulotal [®] 15/25
Penetration at 25 °C	(1/10 mm)	EN 1426	15 – 25
Softening point (R&B)	(°C)	EN 1427	57 – 67
Flash point (Cleveland)	(°C)	EN ISO 2592	≥ 245
Fraass breakin point	(°C)	EN 12593	≤ 0
Solubility at 25 °C	(%)	EN 12592	≥ 99,0
Resistance to hardening (RTFOT method)			
- Change in mass (absolute value)	(%)	EN 12607-1	≤ 0,5
- Retained penetration at 25 °C	(%)	EN 1426	≥ 55
- Increase of Softening point	(°C)	EN 1227	≤ 8
Density at 25°C		EN 15326	1,04
Relative density of mix preparation temperature			0,957
Target mixing temperature	(°C)		170 – 180
Temperature of storage	(°C)		
- ≤ 7 days			165 – 175
- ≥ 7 days			145 – 155
Compaction temperature	(°C)		140 – 165

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Applications

Modulotal® 15/25 is designed for the manufacturing of high-modulus asphalts applied as base course and reinforcement of pavements. **Modulotal® 15/25** hardness and its use at about the same content in mix than an asphaltic concrete give asphalt mixes manufactured with **Modulotal® 15/25** to show such a resistance to fatigue that is allows a significant reduction in the thickness of the course.

High-modulus asphalt mixes manufactured with **Modulotal® 15/25** ally with any course of the pavement and show the same low susceptibility to cracking than soft bituminous materials.

NF EN 13108-1

Technical support

Typical formulas of asphalt mixes using **Modulotal® 15/25** are available: for further information regarding specification or application, please contact your local office.

Modulotal® is a registered brand of TotalEnergies.

Safety Data Sheet are available on Internet: <https://ms-sds.totalenergies.com>

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