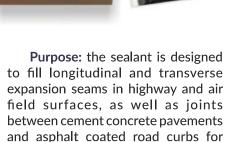
HOT APPLIED SEALANTS

BITAREL® HOT APPLIED SEALANT

EN 14188-1:2004

Description: manufactured by hot-mixing petroleum bitumen with polymer, plasticizers, structuring fillers and special





ADVANTAGES

- Compliant with the EN 14188-1:2004 Standard "Joint fillers and sealers. Part I: technical requirements to hot applied sealers"
- High thermal resistance
- High strain capacity
- Waterproof
- High resilience
- No shrinking
- Adhesive to bituminous and cement concrete
- Ageing resistance
- High elasticity at sub-zero temperatures
- Resistance to aggressive environments
- Durability and reliability
- Usability in wide range
- of temperatures

Basic physical and mechanical characteristics:

road climatic zones 3 and 4.

No	Item	Requirements according to EN 14188-1-2009 type 2	Test methods
1	Softening point (Ring and Ball method), °C, no less than	85	EN 1427
2	Temperature resistance / change in permeability values at +70°C/168h Cone penetration permeability, 0.1 mm Permeability and recovery (elasticity), %, no more than	40 to 100 60	EN 13880-4
3	Hydraulic resistance, initial and thermal degradation at +60°C, 5h, 75° angle, mm, no more than	3	EN 13880-5
4	Effect on asphalt road coatings at +60°C, 72h	No disruption of adhesion and no oily discharge	EN 13880-9
5	Cohesion Temperature during the test, 0°C. Maximum tensile force, N /mm²	0.48±0.10	EN 13880-10
6	Adhesion strength at -20°C Adhesion failure; Cohesion failure; Maximum tensile force, N /mm²	No No 0.75	EN 13880-13
7	Density at 25°C, mg/m³	In accordance with the manufacturer's declaration	EN 13880-1
8	Cone penetration permeability at 25°C, 5s,150g, 0.1mm, no more than	40 to 100	EN 13880-2
9	Permeability and recovery (elasticity) at 25°C, 75g ball,5s, %, no more than	60	EN 13880-3