

BJS bridge joint system

Elastomeric hot applied bituminous mastic



20kg



BJS is an elastomeric bituminous, hot applied, mastic with modified bitumen containing elastomeric additives and thin aggregates. It has a strong adhesion on asphalt and concrete surfaces. **BJS** remains elastic at temperatures from -15°C – 80°C . It is highly resistant to low concentration acids and bases, unaffected by subsoil minerals and less resistant to organic solvents and oils.

IMPLEMENTATION: **BJS** is used for sealing of joints on bridge surfaces, sealing of cracks on road networks and concrete surfaces. Compatible with concrete, light concrete, metallic and wooden surfaces.

APPLICATION: The joint must be free of dust or other waste materials. **BJS** is heated from $140 - 180^{\circ}\text{C}$. It is recommended heating in a specific device. The application of **BJS** on bridge joints requires special equipment and instructions by the producer.

CONSUMPTION: Indicative consumption from $110 - 130\text{gr/m}$, for a joint of 1cm width and 1cm depth (1x1).

PACKAGING - STORAGE: Metallic containers, net weight 20kg . In environmentally controlled areas, for one year at least.

PRECAUTIONS - PROTECTION: Classification according to regulation EC 1272/2008. **BJS** is hot applied $140 - 180^{\circ}\text{C}$ and therefore precautions should be taken. If on skin, wash with plenty of soap and water and ask for medical advice. Wear protective gloves, protective clothing, eye protection, face protection. For professional use only. Please refer to the MSDS for more detailed information.

Technical characteristics according to EN 14188-1:2004

TESTS	TEST METHOD	LIMITS
Appearance	Observation	Solid
Color	Observation	Black
Density at 25°C , gr/cm^3	EN 13880-1	1,1 - 1,3
Softening point, $^{\circ}\text{C}$	EN 1427	≥ 85
Cone penetration at 25°C , 150gr, dmm	EN 13880-2	40 - 100
Resilience at 25°C , %	EN 13880-3	≤ 60
Heat stability, cone penetration, dmm	EN 13880-4	40 - 100
Heat stability, resilience, %	EN 13880-4	≤ 60
Flow resistance 60°C , 5h, mm	EN 13880-5	≤ 3
Compatibility with asphalt pavements	EN 13880-9	No failure in adhesion
Bonding strength, adhesion/cohesion	EN 13880-13	No failure
Cohesion	EN 13880-10	No failure
Cohesion at lower temperature	EN 13880-7	No failure

