

Spectrasfalt[®] Rubi-Joint [RJ]

Composition Spectrasfalt RJ is a joint-filler made from a special bitumen, modified with a highly elastic rubber and fillers.

Properties	penetration 25°C	: 30 - 65
	softening point R & B	: > 90°C
	elasticity	: > 1.500%
	flow at 60°C	: < 2 mm
	tensile strength 4 mm thick	: > 0,10 N/mm ²
	elastic recovery	: 50%
	impact test	: no fractures or cracks
	extension and bond test [with primer]	: no debonding or cracks
	density at 25°C	: 1,10 - 1,15
	punching test	: < 15 mm
	viscosity at 180°C	: > 1,2 Pa.s
	melting temperature	: 180°C
	flash point	: > 200°C
	max. service temperature	: > 200°C

Uses In conjunction with chippings, Spectrasfalt RJ is suitable for making flexible seam joints in the road surface or for jointing strips between road surface and curb construction. Sealing remains intact thanks to the high elasticity of Spectrasfalt RJ, even at extremely low temperatures.

Application

In joints

Cut out the asphalt to the depth at an equal distance on either side of the dilation joint. Break up existing seam joints or bituminous surfaces. Knock out and remove any loose particles. Chip off the side walls of the joint opening until they are vertical. Repair damaged concrete on bridge decks or abutments. Clean and dry the bottom and side walls of the joint opening using hot air, which must not be contaminated with water or oil. Treat bottom and side walls after cooling down with Spectrasfalt JE Primer. This should be applied in a very thin layer [max. 150-200 g/m²] and allowed to dry briefly.

Place a flexible heat-resistant filler in the joint opening. Apply a primer layer of Spectrasfalt Rubi-Joint at the rate of approx. 2 kg/m² and a temperature of 170°C-190°C.

Place an aluminium [for joints < 2 cm wide] or steel strip [for joints > 2 cm] onto this primer layer, and anchor into the flexible heat-resistant filler using wire nails or bolts.



PRODUCT INFO

Then apply a primer layer of Spectrasfalt RJ over the metal strip, the rest of the floor and side walls of the joint at the rate of approx. 4 kg/m². Add hot granite chippings [at between 100°C and 150°C] to this rubber bitumen, in a layer thickness which is between 1,5 and 2 times the nominal size of the largest particle in the mineral aggregate to be used. The chippings should have been broken square with a screen size of 16/22 or 11/16 depending on size and temperature to be expected. Then pour Spectrasfalt RJ rubber bitumen over the hot chippings layer, ensuring that all the voids are penetrated and filled.

Allow the Spectrasfalt RJ to percolate through the chippings before applying the next layer. Repeat the above actions until the joint has been filled to the level of the asphalt surface.

Sprinkle the final layer with dry chippings [2-6 mm max.] or slate chippings.

In jointing strips

Make a saw cut along the curb structure to the width of the gutter and as far as the concrete construction. Collect and remove all loosened materials between the saw cut and the curb structure. Clean out and dry the gutter using a hot-air lance. Treat bottom and side walls after cooling down with Spectrasfalt JE Primer [max. 150-200 g/m²] and allow it to dry briefly.

Add a primer layer of Spectrasfalt JE to the pretreated sides and bottom of the cut, at a temperature of 170°C-190°C. Add a layer of hot granite chippings [100°C - 150°C] to a thickness of 20 mm-30 mm. The chippings should have a screen size of 11/16 and be cube-shaped.

Then pour Spectrasfalt RJ rubber bitumen over the hot chippings and allow to percolate through the chippings before adding the next layer.

Repeat the above actions until the joint has been filled up to or just below the level of the asphalt surface. The final layer can be sprinkled with dry chippings [1/3 mm] or slate chippings.

Spectrasfalt RJ must be heated, preferably in an insulated, oil-heated kettle fitted with a thermostat and stirrer, to a temperature of approx. 180°C. The material should be stirred as soon as it is soft enough to ensure an even temperature and prevent local overheating.

Packaging	In boxes of approx. 25 kg.
Appearance/colour	Black.
Storage	Unlimited; no special precautions required.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.
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