BIGUMA®- SV
Bituminous, hot-applied joint sealant for locks of steel sheetpiles

Uses

Hot-applied joint sealant for sealing locks of steel sheetpiles before jamming and fitting the steel sheetpiles especially in sandy foundations.

Properties

BIGUMA®- SV is a bituminous, hot-applied joint sealant with a plastic and a small elasticated component. BIGUMA®- SV shows a high adhesive strength and can be applied without any problems. The steel sheetpiles can be processed directly after the joint sealant has cooled off (approx. 1 hour).

Application temperature:	approx. 160 °C
Specific gravity:	approx. 1.00 g/cm³
Primer:	no primer required
Supplied in:	tins of 10 kg each
	cartons of 12 kg each

Application instructions for BIGUMA® - SV

Melting

BIGUMA®-SV has to be heated indirectly and carefully to the application temperature in a boiler equipped with mechanical agitation, indirect heating and thermometer. Unsuitable and inadvisable are equipments without mechanical agitation and indirect heating. The temperature of the sealant must be thermo-statically regulated. It must be controllable at all times.

Overheating of the sealant should be avoided as this will damage the plastics added for stabilization and improvement, resulting in reduced compressive strength.

Foundation

The locking of the steel sheetpiles must be dry, clean and free from dust. Scale and rust must be removed by sandblasting.

Sealing of steel sheetpile lockings

After melting the joint sealant is filled into the lockings by using a sealing lance or by hand with suitable equipment. The steel sheetpiles should be placed flat if possible horizontal and at the ends of the sheetpile-lockings it should be avoided that the joint sealant runs out. After application the joint sealant must cool off. Afterwards the steel sheetpiles can be processed.

Material consumption

The consumption of the sealant is calculated in accordance with the following formula:
length of steel sheetpile (cm) x width of locking (cm) x depth of locking (cm) x specific gravity of sealant (g/cm³) = consumption (g)