

SPECIFICATIONS

PU 500

Is an elastomeric polyurethane based sealant. It is composed of two pre-dosed components: part A is a resin, part B is a hardener. After mixing the two components, the product becomes a cohesive pourable mixture. When large voids have to be filled, PU 500 can be mixed with quartz sand up to a maximum ratio of 1:1 by weight. The addition of an aggregate enhances the mechanical characteristics of friction resistance and the thixotropy of the product, but the sealant deformability is decreased. PU 500 is solvent free and the slight smell, that can be noticed, is only due to the resin. PU 500 cross-links because of the reaction between resin and hardener. The substrate temperature and the environment can influence anyway the cross-linking time of the sealant: high temperatures reduce the workability time of the mixture and accelerate the setting time. Low temperatures make the reaction time longer. The curing time of the sealant may be reduced if required by adding the specific accelerator PU 500 Catalyst. After crosslinking, PU 500 becomes an elastomeric substance characterized by a high surface hardness which can deform under compressive, tensile and shear loads. PU 500 is suitable to support vehicular traffic, on roads, freeways and highways. PU 500 is the ideal product to carry out sealing substrates subject to limited movements and heavy loads.

TECHNICAL DATA

Product identity

Consistency: pourable paste

Color: black

Density (kg/m³): 1200

Viscosity (mPa.s): 200,000

Dry solids content (%): 100