

Sate Fuge Pox

Solvent free two component epoxy resin adhesive and grout

Properties

Sate Fuge Pox is a fine graded two component epoxy resin adhesive and grout.

For indoors and outdoors, permanent immersed areas. High resistance to chemicals, water and high mechanical performances. Long bonding time curing without cracking. Resistance to weathering and freeze.

Area of applications

Sate Fuge Pox is suitable for bonding and jointing of tiles, mosaics, stoneware, splitting plates.

It is used at large / industrial kitchens, food, sugar beverage, textile industries. Sewage purification plants, storage halls and nuclear power plants etc.

Product Data

Base	epoxy resin
Solvent	none
Colours	sand, white, concrete grey
Consistency	trowel grade, non sag
Density of mixture	approx. 1.7 kg/dm ³
Mixing ratio	resin base: 20 hardener: 1
Pot life of 4 kg	approx. 45 minutes at +20°C
Application temperature	+10°C to +35°C (air and substrate)
Application	plastic spatula, metal notched trowel, manual
Open to light pedestrian traffic	after 24 hours at +20°C
Full load bearing	after 7 days at +20°C
Consumption as adhesive	approx. 1.5 to 3.0 kg/m ²
Temperature resistance after curing	dry: -20°C to +80°C; permanently wet: +40°C temperature shock resistant (steam jet)
Cleaner	within 1 hour with water; after 1 hour only mechanically

Working instructions

Preparation of substrates

Suitable substrates for bonding are concrete, floor screeds, cement rendering, fibrecement and terrazzo.

The surfaces to be bonded and the sides of the joints must be dry, clean, load bearing, stable, free of oil and grease as well as free from loose particles. Before jointing all joints must be scratched out evenly and thoroughly cleaned. The edges of the joints are to be cleaned. Grouting should not be carried out until the tiles have been fixed and the mortar or tile adhesive has set. Prime the substrate with Sate Pox PR 10 when Sate Fuge Pox is used as adhesive.

Mixing

Sate Fuge Pox is available in premixed containers. The resin base and the hardener are precisely matched in quantity according to mixing ratio. Both components are mixed in the resin base container using an electric drill and, depending on the container size. Mix continuously and add the necessary quantity of hardener until a homogeneous mixture.

Application as adhesive

Sate Fuge Pox is applied extensively using a toothed trowel or toothed scraper until a layer thickness of approx. 3 mm is achieved. The tiles must be pressed firmly into position and aligned immediately.

Application as grout

Sate Fuge Pox is spread into the joints of horizontal and vertical areas with an epoxy resin trowel until the joints are completely filled. Then scrape off excess Sate Fuge Pox diagonally by means of the epoxy resin trowel. After scraping off and waiting 20 minutes at least the remaining surplus adhesive is emulsified with warm water and pre cleaned. In case of glazed, dense tiles apply a soft sponge and a little water. Otherwise pre clean with a hard sponge regarding tiles with a strong surface profile. Eventual residues can be removed again using a slightly moist, soft sponge after 8 hours at the latest. Add 10 % spiritus to the cleaning water. In direct sunlight and temperature exceeding +0°C it has proved

to be an advantage to wet the tiles and so to emulsify the material immediately in order to clean up the surfaces easily. A cleanup after 4 hours is no longer possible.

Sate Fuge Pox in the colours white and concrete grey should only be applied for grouting ceramic materials which are glazed, smooth or with a dense, non porous surface.

Watchpoints

This product is not flexible, so that connection or expansion joints must be filled with an elastomeric sealant, like Satex SLN. The temperature for application (air and substrate) should be +10 °C up to + 35 °C. Cold delays and heat accelerate the curing.

Consumption

Adhesive:

approx. 1.5 to 3.0 kg/m² Sate Fuge Pox.

Delivery and storage

Sate Fuge Pox is delivered in sand, white and concrete grey 5 kg container set. Keep dry and cool (not below + 5 °C) in sealed packing. Can be stored for at least 6 months.

Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowledge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.