



Technical Data Sheet

OTL Tanking Compound

Solvent-free and silicone-compatible sealing compound for flexible sealing of wet-rooms, bathrooms and shower areas prior to the application of ceramic tiles.

Characteristics:

OTL tanking Compound is a solvent-free sealing compound, ready for application by brush or roller. It is based on synthetic latex and inert filling materials. After setting OTL tanking Compound is waterproof but permeable to water vapor as well as silicone-compatible.

OTL Tanking Compound fulfills the requirements of the ZDB leaflet "Directions for the execution of sealings in combination with linings and coverings made of tiles and boards for inside and outside application" (edition May 1997). A corresponding test certificate can be provided on request.

Areas of application:

Flexible artificial resin dispersion for professional sealing of areas under tiles and paving flags in sanitary rooms and wet cells. OTL Tanking Sealing Compound can also be applied onto cement screeds or concrete substrates to protect the surface of terraces and balconies against humidity.

Technical data:

Application temperature: at least + 5°C

Viscosity: approx. 16,000 mPa·s

Density: approx. 1.55 kg/l

Solid content: approx. 73 %

pH-value: 8 -9

Drying period:

The drying period depends on the temperature of the air and the building structure, on the air movement and humidity and on the layer thickness of the coating. With a temperature of + 20°C and a relative air humidity of 50 % the drying period is about two hours. Subsequent coatings or tile adhesives are only to be applied after a period of 24 hours.

Surface preparation:

The surface has to be solid, supportive, level as well as free of oil, grease, dust and other separating layers. It is recommended to apply OTL tanking Primer as a bonding agent. Irregularities on the surfaces must never be filled with OTL tanking Sealing Compound, irregularities should be filled or removed either before applying the sealing or by applying a (suitable) tile adhesive.

Application:

OTL tanking Sealing Compound has to be stirred thoroughly before use and is then applied using a plastic or a fur roller, or a wide paint brush in two to three rich and even layers. The consumption rate is approx. 300 - 400 g per layer. Each layer has to dry completely before the next one can be applied. In areas tending to crack (wall corners, wall and floor connections, pipe passages etc.) OTL Tanking Tape has to be inserted (please refer to the corresponding technical leaflet).

Directions for subsequent works:

After a drying period of approx. 24 hours conventional solvent-free tile adhesives can be applied directly onto the ready OTL tanking sealing using the direct thin bed mortar technique. This also applies to the lining of joints with silicone rubber. Under normal conditions OTL tanking Sealing Compound has dried out completely after a period of 14 days and can then bear loads.

Consumption: Depending on the expected stress 800 - 1200 kg/m² (two or three coatings).

Cleaning of the tools: All tools as well as dirty areas have to be cleaned with water immediately after use.

Storage: OTL tanking Sealing Compound can be used for a period of at least 12 months when stored in its original containers in a cool place protected from frost.

Packaging: available as standard in 15kg plastic buckets (other sizes on request).



Technical Data Sheet

OTL Tanking Primer

Solvent-free primer based on styrole-butadien

Characteristics:

OTL Primer is a solvent-free, thin primer for absorbent and less absorbent substrates when there is a styrole-butadien or acrylate coating to be applied afterwards. OTL Primer penetrates deeply into the substrate and forms a very good bonding agent for following coating.

Areas of application:

OTL Primer can be used as a bonding agent on most mineral surfaces as well as on gypsum plasterboards, mastic asphalt, gypsum plasters etc. OTL Primer has been developed especially for subsequent coatings of OTL Tanking Sealing Compound.

Technical Data:

Colour: milky blue
Density: approx. 1.0
pH-value 9-10

Surface preparation:

The surface has to be solid, supportive and level as well as free of oil, grease, dust, moss, algae and other separating layers. Residual adhesives and paintings as well as loose plaster and masonry parts have to be removed before application.

Application:

OTL Primer has to be stirred thoroughly before use and is then evenly applied using a plastic fur roller, paint brush or a suitable spraying gun. When the primer is touch dry the subsequent coatings can be applied. The temperature during application and drying period must be 4- 5°C minimum and + 25°C maximum.

Drying period:

The drying period of OTL Primer depends on the temperature of the air and the building structure, the movement and humidity of the air and the absorbency of the substrate. When the temperature is + 20°C and the relative air humidity 50 % the drying period is approximately 2 hours.

Consumption:

The consumption rate of OTL Primer depends on the absorbency and nature of the substrate. Normally the consumption rates range from 100 to 150 g/m².

Cleaning of the tools:

All tools and dirty areas have to be cleaned with water immediately after use.

Storage:

OTL Primer can be used for a period of 12 months when stored in a cool and frost-free place sealed in its original containers.

Packaging:

OTL Primer is available in 3kg plastic canisters.

Caution:

OTL Primer has not been classified as hazardous material according to the German Gefahrstoffverordnung (Dangerous Goods Regulations) and the EC-Guidelines.



Technical Data Sheet

OTL Tanking Sealing Tape

Fabric reinforced, elastic and thin sealing membrane on the basis of an unplasticised acrylate dispersion with a good rebound capability and a fabric border overhanging alongside both edges.

Characteristics:

OTL Tanking Sealing Tape is a fabric reinforced elastic sealing membrane on the basis of an unplasticised acrylate dispersion with a fabric border overhanging alongside both edges. The sealing membrane offers a good rebound capability and is absolutely silicone-compatible.

Thanks to its low layer thickness of approx. 0.6 mm OTL Tanking Tape is universally applicable for a seamless and safe reinforcement of areas with a high crack risk.

Areas of application:

OTL Tanking Tape is especially suitable for forming corners, bridging of cracks and joints as well as for sealing of pipe outlets and drains in the sanitary sector.

Technical data:

Colour: grey

Water vapour diffusion resistance coefficient: 1,533 μ

Equivalent cavity thickness Sd: 0.92 m

Extension: 57%

Tensile strength: 7.6 N/mm²

When exposed for a short time OTL Tanking Sealing Tape is resistant to most diluted acids and alkalis as well as to fuel oil and gas.

OTL Tanking Tape is stable at temperatures from - 20 °C to + 70 °C.

Surface Preparation:

The preparation of the surface depends on the sealing system provided for the sealing of the area. When sealing areas with OTL Tanking Sealing Compound as recommended by us, the surface is initially primed with OTL Primer. After drying of the subcoating a strip exceeding the area to be coated by appr. 5 cm is painted with OTL Tanking Compound.

Application:

The protection foil is removed from the OTL Tanking Tape, and the tape then laid onto the fresh coating of OTL Tanking Compound which serves as an adhesive base. All joints in the OTL Tanking Tape should be overlapped by 50mm min. Uneven areas or folds can be pressed out by using a hand float. Finally 2 - 3 more coats of the areas to be sealed have to be applied also overcoating the OTL Tanking tape.

OTL Tanking Sealing Tape sticks so tightly to most of the sealing products on the market that it can only be removed by damaging the complete sealing system. It forms an integral part of these systems.

Directions for subsequent works:

OTL Tanking Sealing Tape is absolutely silicone-compatible. For lining the joints usual silicones may be applied. Solvent-free adhesives and coatings may be applied directly onto the OTL Tanking Tape. Before applying other products a compatibility test has to be carried out.

Consumption:

As required.

Storage:

OTL Tanking Sealing Tape can be used for a period of at least 12 months when stored in a cool and dry place.

Packaging:

Thickness: approx. 0.6 mm,

Width: 100mm.

Length of rolls: 15m & 50m

Caution:

OTL Tanking Tape has not been classified as hazardous material according to the German Gefahr-stoffverordnung (Dangerous Goods Regulation) / EC-Guidelines.