

Product Information Sheet



Shell Tixophalte Wet

Tixophalte is a professional bituminous adhesive and sealant with permanent flexibility giving superior adhesion

- Cold applicable, ready for use.
- Adheres and seals under many different conditions.
- Sticks to wet substrate (even under water).
- Sticks to most plastics, e.g. polythylene.

Applications

- Sealing leaks and making repairs, even on wet surfaces.
- Adhesives for all types of roofing felts; including APP- and SBS-modified membranes.
- Waterproof finishing of overlaps, connections and joints of roof edges, chimneys, light domes and bushings for exhaust pipes.
- Fixing rain water drain systems onto the roof.
- Connection of damp courses and other waterproofing wall details (e.g. inner-walls)
- Fixing overlaps of roofing felt at rising outer walls.
- Temporary remedial or repair of plumbing.

- Applications where Tixophalte comes into contact with oil products are not recommended. These components can dissolve the bitumen.
- All possible situations where adhesion, sealing, joint filling of common building materials is required. Develop your own new application by having Tixophalte at hand during your construction activities.



Shell Bitumen

Shell Tixophalte Wet

Properties

- Direct application (without heating)
- Various handy packaging for easy use
- Thixotropic easy handling combined with good body
- Protects against rust and humidity
- Non flammable at application conditions
- Stable at -35 to +110°C (depending on load conditions)
- Non-toxic when cured (contains a small amount of solvent)
- Colour: black

Composition

Tixophalte is a plasto-elastic, neutral hardening mastic, based on a (thixotropic) high-quality modified bitumen/rubber composition and contains additives, filler and a non flammable solvent.

Remarks

Processing recommendations

Ensure the cartridge and it's contents are higher than +5°C when it is used, as a product temperature lower than this may cause a problem. For product temperatures lower than 5°C preheating is advised (eg. in warm water).

Substrates: A clean, dry and dust free substrate is recommended. For special applications and/or on wet substrates an adhesion test is advised. For certain circumstances a (bituminous) primer is recommended.

Processing: Tixophalte can be applied with a hand gun or a compressed air gun. Using the cartridge, the aluminium seal in the front screw spout has to be cut

slantwise so that it has the size of the desired band of Tixophalte. A clean spout is important for a uniform dose and a smooth finish.

In order to obtain adequate adhesion on a wet substrate, it is important that the distance between substrate and spout is as small as possible and not more than 3 mm, so that the initial adhesion is obtained by displacing the water.

When compressed-air guns are used (for the sausage-packing) the piston and the cylinder have to be greased properly. Tixophalte must be applied in strips or spotwise, so that the solvent is able to evaporate easily. Ensure that there is adequate ventilation during use.

The open time and hardening rate are influenced by factors such as temperature, type of substrate, absorbency behaviour of the materials and the applied layer-thickness of Tixophalte. Immediately after applying Tixophalte, the adhesion is sufficient to resist a low load. Maximum strength is obtained after curing by evaporation of the solvent. The final adhesive strength is strongly dependant on the type and nature of the bond.

Application rate

When bonding insulation material or roofing felt with, for example, 5 strips by 4 cm width, the consumption is minimum 0.4Kg/m² (depending on the substrate). This can be increased at the corners and edges of the roof.

Cleaning

Tixophalte can be removed with tools, such as a palette knife. Any residue can be cleaned by dissolving in a hydrocarbon solvent (white spirit).

Compatibility

Tixophalte can be used for bonding plastics without plasticisers.

Compatibility with extruded polystyrene can vary and there are instances where Tixophalte is best applied direct to the substrate. After a while, the boards can be adhered. Avoid making the Tixophalte layers too thick on the polystyrene board.

Contact with mineral oil (gasoline, kerosine, gas oil) softens the product.

Tixophalte does not tolerate solvent based paint.

Packing

Tixophalte is supplied in:

- 100% aluminium cartridges (310ml) for use in standard sealant guns
- 1.4L & 2.8L sausages for use in compressed air guns
- 5l pails

Storage

Storage life is at least 36 months in unopened packing, 12 months in opened.

Tixophalte should not be stored in direct sunlight or near a source of heat.

Typical Properties

Specific gravity at 20°C	1.3
Curing time (depends on substrate)	1-10 days
Skin forming after Flow resistance (14 days, 1.5mm)	30 min.
Dripping point	200°C
Wind loading (at recommended application rate)	1800 Pa
Meets BDA standard	500A08

