

- WADIT®

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- Sheet piling sealants of the new generation
- Tested groundwater-compatible hot sealing compound for sheet piling rocks

Applications

- Sealing of steel sheet piling walls in conjunction with pile driving work in water-bearing formations. Sealing of concrete and steel components.
- Sealing of the edge interlocks of sheet piling walls to prevent penetration of soil constituents and, thus, seizing during pile driving.

Product description

WADIT is based on naturally grown raw materials, free of ingredients harmful to the environment and, thus, optimally environmentally compatible so that its use in groundwater-bearing strata poses no problems. Sealing compound residues may be left in the ground for an indefinite period of time.

Processing information

The industrial safety regulations for handling hot liquid building materials must be observed. The containers may be melted open together with the packing. Make sure that the packing is clean and dry.

For heating WADIT, we recommend using a thermostat-controlled heater indirectly heated with thermal oil as this will normally avoid local overheating of the sealing compound. While WADIT is being poured into the sheet piling locks, the sheet piles must be in a perfectly horizontal position.

In order to achieve a reliable bond between sealing compound and steel, special care should be taken to ensure that the steel sections are clean, dry and free of grease. The 'rolling skin' clinging to new steel sections (which partially consists of grease and oil) should be removed by means of a rotating brush. Using a torch, briefly soften sealant residues in sheet piling locks. The consumption of WADIT is largely determined by the condition of the sheet piling locks (new or used, tolerances). During the cold season, steel sections which are sealed at the open air must always first be lightly preheated with a torch in order to avoid a cold shock (which would certainly lead to the formation of a moisture film on the steel).

Furthermore parts in storage which have not yet been sealed should always be protected against moisture. Atmospheric precipitation shall be sufficient reason to stop all sealing works on site.

The applicable codes of recommended practice for processing bituminous materials must be observed.

However, if outside temperatures necessitate the addition of WADIT FLEX (see following table for dosing instructions), then this shall be added directly into the heater immediately after the Introduction of WADIT.

The amounts of WAD IT FLEX to be added depend on the outside temperature at the time of the pile driving operation.

Dosing Instructions for WADIT FLEX

Outside Temperature	Amount of WADIT FLEX to be added to 25 kg of WADIT
Above 10° C	No addition required
+5° C to +10° C	Normally, no addition required. In special cases; 2 litres
0° C to +5° C	2 to 4 litres
Below 0° C	4 to 6 litres

Important:

Overheating may substantially impair the quality of the sealing compound and must therefore be avoided at air events. The temperature must be kept between 130° C and a maximum of 170° C and should be regularly checked with a thermometer. During the heating phase, the sealing compound must be stirred at regular intervals. If WADIT emits a dense whitish - yellow fog during healing, the sealing compound has been overheated and probably already damaged. A sealing compound which has been damaged in this manner should no longer be used. To avoid thermal damage, WADIT should not be melted more than twice at the most.

Cleaning of tools and treatment of residual compound

WADIT is soluble in organic solvents, such as white spirit and xylene or diesel, As particularly environment-friendly solvents we recommend rape oil and rape oil methyl ester (bio diesel), Dissolved in the latter, WADIT can be mixed with lime or cement to form a paste which may be dumped on rubbish tips in small amounts.

Containers and storage (25 kg containers)

For prolonged periods of time, the containers should be stored indoors at temperatures under +30°C.

Recommended action in the event of accidents/burns

Skin burns caused by unworkmanlike handling of WADIT should be treated immediately by cooling the area affected with cold water for several minutes. Do not peel adhering material from the skin or remove it with solvents! Cooled WADIT acts like a sterile bandage and drops off with the scab.

In any case, also see a doctor!

Although WADIT as such is in no way harmful to the skin, any direct contact should be avoided for general hygienic reasons. Inhaling hot vapors that form when the material is heated should definitely be avoided. The vapors may cause slight nausea, but do not constitute a toxic hazard.