



**Description:**

WADIT is a sheet pile sealant that has proven itself to be effective around the world, in tropical and arctic conditions.

WADIT consists of natural and renewable materials. Therefore, according to LGA/Nürnberg, it can even be used in the sourcing area of drinking water production plants.

WADIT is optimally environmentally compatible, because it is completely free from any environmentally harmful ingredients.

WADIT's composition is protected by patent.

Basic substance:	natural, renewable raw materials
Color:	Olive-black
Form:	Solid
Package:	Meltable 25 kg polyethylene bags
Melting Point.:	130 – 170 degrees Celsius
Device for melting:	Mass stove, optimal: thermal bath stove

Solvable in: Organic solvents (Xylenen, Gasoline, Biodiesel)

Dichte bei 20° C: 0.994g (cm3)

**Protective measures:**

Airways:	Not required
Hands:	Rubber gloves
Eyes:	Safety goggles
Body:	Clothes covering the whole body

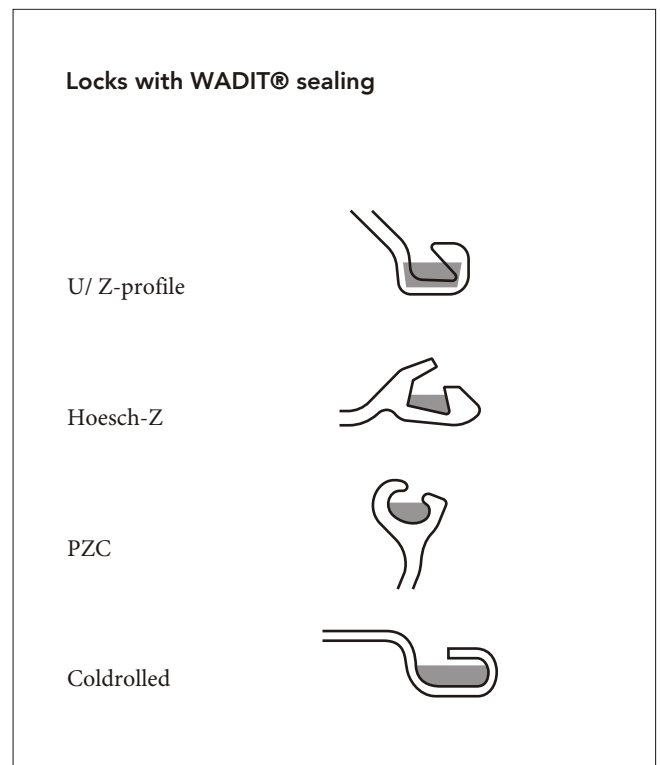
**Areas of use/ application:**

- Temporary sheet pile wall structures
- Permanent sheet pile wall structures
- Excavations in places where the groundwater level is high
- Pouring of sheet pile sealant to prevent the intrusion of soil components and the associated seizure of the screed during pile driving
- Sheet pile constructions in soils with groundwater and gravelly soils (low fine grain content), as well as soils with unsuitable soil diagram
- Reduction of friction
- Encapsulation of pollution
- Rehabilitation of dams
- Bank sealing of riverbanks
- Demarcation of underground water masses in water protection areas
- Sealing measures on concrete and steel parts

**Benefits:**

WADIT® is distinctively different from comparable products in six different respects:

- **It is guaranteed to be environmentally friendly**, since it is made from renewable raw materials
- **It has unique permanent adhesion.** WADIT adheres even under extreme conditions, like strong water-, ice- or soil pressure, movements of the sheet pile wall, shifting during transport. The material remains stable in the lock, even at daytime temperatures up to 50 degrees Celsius
- **It is optimally flexible.** Conventional materials already set and become firm at 10 degrees Celsius. In contrast, WADIT offers optimum flexibility even in groundwater (year-round 5 to 7 degrees Celsius). This means that no sealing material can break out of the interlock and cause leaks when the sheet piles are installed.
- **Its 'Memory effect' means that its material resets after movement.** This unique effect of WADIT (at groundwater temperature) guarantees maximum tightness if the sheet pile interlock were to twist or move.
- **It is easy to handle.** One bag of WADIT in the oven equals 25 kg of ready-to-use sealant, no extra work, exact determination the amount needed and no additives up to +5 degrees Celsius.
- **It is ingeniously packaged.** WADIT can be melted with the packaging in which it arrives and leaves no residual waste.



**Application:**

WADIT® and its packaging can be melted in a sealant cooker. We recommend the use of an (indirectly) thermal oil-heated cooker, as this generally avoids local overheating of the casting compound.

When filling the interlocks with WADIT, the sheet piles must be supported horizontally.

It is essential to ensure that any steel parts are clean, dry and free of grease. If this is not the case, the sealant will not bond with the steel.

When using new steel, the scales of the steel (which consists partly of grease and oil) must be removed.

If the addition of WADIT-FLEX is required, this should be added in the stove immediately after WADIT.

**Recommendations:**

When using old or recycled steel parts, any residual sealant in the sheet pile lock should be melted with a Bunsen burner. When the outside temperature is below 0 degrees Celsius, it is recommended to preheat the sheet pile locks or steel parts slightly (e.g. with a Bunsen burner). Application on a damp surface must be avoided.

**Important note:**

Overheating of the casting compound must be avoided, as it can significantly impair the quality of the product. The temperature must remain between 130 and 170 degrees Celsius. Regularly checking the temperature using a thermometer is advised. Furthermore, the casting compound must be stirred at regular intervals during the heating phase. Overheated casting compound should no longer be processed.

**Dosing instructions for WADIT®**

300g WADIT/meter sheet piling interlock. This may increase for used planks.

**Dosing instructions for WADIT-FLEX**

The decisive factor for the addition of WADIT-FLEX is the outside temperature at the time of the driving process.

Outside temperature:

- Above +5 degrees Celsius → no add-on required
- Up to -5 degrees Celsius → 2 liters of WADIT-FLEX per 25 kg of WADIT
- Below -5 degrees Celsius → 5 liters of WADIT-FLEX per 25 kg of WADIT

WADIT-FLEX is packaged in 20-liter canisters.

**Tool-cleaning:**

WADIT is soluble in organic solvents such as petrol, xylenes or diesel. Particularly environmentally friendly solvents include rapeseed oil and biodiesel.

**Treatment of residuals**

WADIT that has been dissolved in an environmentally friendly fashion can be disposed of in small quantities via construction waste landfills. We recommend binding it with cement or lime.

**In case of accidents:**

If skin burns occur due to improper handling of WADIT, cool the affected area with cold water for several minutes. Do not peel off any adhering material from the skin and do not remove it with solvents. Please consult a doctor.

**Declaration of clearance**

Investigative Body:

Landesgewerbe Bayern (LGA)

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Material: WADIT sheet pile sealant

Date of investigation: 1997, 1999, 2000

“Experts from LGA conclude that sealing compound WADIT can be used as a sealing compound in sheet pile locks, in ground- and surface water areas, without any restrictions. When used as intended, there is no concern of a harmful effect when the product is used in the sourcing area of drinking water extraction plants.”

The detailed test analysis can be requested from us at any time.

**Tip! Sealing in difficult soil conditions**

When driving, sharp-edged particles of soil may become lodged in the leading sheet pile interlock. The hook bar in the sheet pile interlock compacts this soil to such an extent that the advance of the screed can come to a halt. This causes strong friction in the interlock area, which leads to extreme heat and considerable damage to the interlock. It is not uncommon for these fine particles of soil to cause interlock blasting and partial damage to the sheet pile construction. This results in loss of material, as well as considerable costs. To prevent this soil penetration, we recommend sealing the sheet pile lock with WADIT.

More information can be found at: [www.goomeer.com](http://www.goomeer.com)