



The ultimate sealant for sheet pile walls



WATER-RESISTANT DURABLE BOND

STEELANT® is highly resistant to water and offers a unique and durable bond. When properly applied to the interlock chamber, STEELANT® is resistant to extreme conditions such as water pressure, ice, soil as well as movements of the sheet pile wall or displacement of the piles during transport. In laboratory tests, the material underwent extreme tests and was subjected to a maximum water pressure of 5 bar (5 atmospheres or 500 kPa. Roughly 130 feet of water depth). STEELANT® demonstrated no water permeability in various interlock forms during this test series.



WORKS FOR ANY JOB

For all sheet pile wall construction:

- Temporary and permanent sheet pile wall construction
- Casting of the sheet pile wall interlock
- Sheet pile wall construction in soil containing ground water and a small fine particle fraction (gravel-type soil) and in soils with the consistency of clay

For Applications:

- Cofferdams in soil types with a high ground water level
- Dam renovation work
- Sealing of river banks
- Delimitation of underground water courses in water protection zones. Sealing work on concrete and steel components



ENVIRONMENTALLY FRIENDLY

STEELANT® is made under a patented formulation, designed to be highly effective while being environmentally sound. Official confirmation from the State Trade Supervision Department for Bavaria shows that this material is extremely “green” and even suitable for use in catch basins of drinking water systems. Additionally, STEELANT’s revolutionary packaging makes it even greener. Simply remove the staples and place the entire sack of STEELANT® in a suitable heating chamber or application machine. The sealant will be melted completely, together with its packaging, ensuring that no residual waste is created.



JOB SITE FRIENDLY

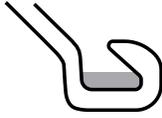
STEELANT® is suitable for all driving methods of sheet piles (impact driving, vibration and pressing). STEELANT® acts as a thin film of lubricant in the interlock chamber which reduces interlock friction during the driving process. STEELANT® has proved to be an extremely stable material that produces outstanding results even in extreme climatic conditions (32°F – 122°F).

STEELANT®

INSTALLATION

Filling heights for interlock chambers:

LARSSEN



approx. 40%

PZ/PZC



approx. 50%

COLD FORMED



approx. 50%

APPLICATION

- Nucor Skyline offers a full application service for all sheet pile product lines. A jobsite install service is also available and is installed by a trained Nucor Skyline employee.
- Sheet piles can be driven immediately after installation and STEELANT is suitable for all driving methods.
- HOT APPLIED: STEELANT® is designed to be hot applied to the steel sheet pile interlock. The product should be heated to a thick liquid state before application in a covered heater with its container bag. We recommend the use of a thermal oil-fired heater complete with thermostat-control for best results. The ideal heating temperatures range from 260°F to 345°F. (Approximately 130°C to a 170°C). NEVER OVER HEAT!
- INTERLOCKS: The interlock area of the sheet piles must be clean, dry, warm and free of any oily residue to ensure clean contact at time of application.
- USAGE: Approximately 300 to 325 ft per 25 kg bag of sheet pile interlock (under recommended conditions).
- SAFETY PRECAUTIONS:
 - Respiratory equipment: Respiratory equipment not required, face mask recommended
 - Hand protection: Rubber gloves required
 - Eye protection: Safety glasses required
- STORAGE: Store in a cool, dark place away from direct sunlight or high UV rays. When stored properly, the uninstalled product will last five years without degradation.



Steelant strongly adheres to steel, but still remains flexible in low temperature conditions.



Memory material allows flexing and movement in the sheet pile without loss of the seal.