



GOLDSCHMIDT

Smart Rail Solutions



THERMIT® SOW-5

UNIVERSAL WELDING PROCESS FOR FLAT-BOTTOM RAILS

Thermit® SoW-5 is one of the best technologies for creating continuously welded track. This process means effortless use on construction sites and therefore ensures excellent availability of routes. Thermit® SoW-5 is ideally suited for high strength rail grades but produces Thermit® welds on operating track systems of all speeds in heavy haul traffic and also in high-density traffic.

TECHNICAL DATA

FEATURES

- Rapid welding process with preheating time to fit the rail profile
- Can be preheated using any approved preheating method
- Standard gap width: 29 mm ± 1 mm
- Modification of the welding process for rapid welding of gap widths from 40 mm to 50 mm and from 65 mm to 75 mm
- The combination of preheating, the 3-riser configuration and the special mould design/steel pouring guarantee a securely welded joint

BENEFITS

- Exceptionally cost-effective due to efficient use of consumable materials
- The short preheating time means that the heat-affected zones are narrow, particularly with head-hardened rails
- Two- and three-part moulds and equipment available
- Luting sand or luting paste can be freely selected
- Suitable for all crucible types

APPROVALS

Thermit® SoW-5 satisfies all requirements of EN 14730-1. The process is successfully in use worldwide and is approved by many railway companies.

