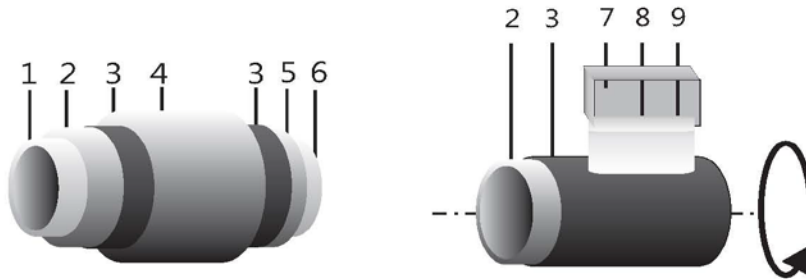


New Field Joint Element using SILICOAT®

By use of SILICOAT® - combustion gas in burner systems it is possible to deposit an effective adhesion promoting Silicate layer in field joint insulating elements in offshore pipeline productions. The new field joints show advantages in the following properties:

- Increased adhesion of PUR Coating (4) on PP insulation (2) preventing water intrusion into the joint
- Adhesion promotion for PUR Coating on both, bound steel pipe ends (1,6) and PP (2)
- Dry and solvent free silicate adhesion promoting layer (3)
- Fast, cost effective atmospheric coating procedure
- Increased adhesion leads to higher load-bearing capacity of joint pipes
- Field joints and offshore pipes less delicate to damages, water intrusion and service
- Less subsequent costs



Easy, fast and cost efficient production of the new field joint is described in detail in EP 2 558 287 A1 and B1.

- Hand burner device (7) runs around the surface area to be coated (1, 6, 2)
- Silicate contents in burner flame (8) form a highly reactive Silicon Oxide Layer (3)
- No period for drying necessary
- PUR Material (4) is directly bound onto the Oxide layer (3) in a subsequent procedure



- Hand flaming device HD10
- Easy and fast cartridge exchange
- Lightweight/ easy handling

- Self igniting hand burner
- Piezo-igniting element starts flame
- Flame extinguishes by letting off the handle bar



SILICOAT®



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