

SAERTEX® multiHat combi System



SAERTEX
multiCom®

Our Hat Trick: The innovative, economical and safe GRP-Double-Hat-Profile for the Diversion Rehabilitation at Speed of Light



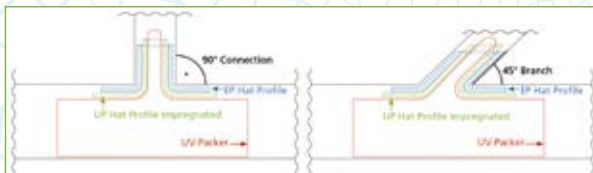
PROCESS

The installation of the GRP-Double-Hat-Profile SAERTEX® multiHat combi is safe and quick. For that reason, an UV silicone packer is fixed “wet in wet” with an UP-resin pre-impregnated GRP-Hat-Profile and an EP-resin on-site impregnated GRP-Hat-Profile and cured in only eight minutes. Thus, economically, the system is second to none.



Fixing and Positioning of the UV packer

After preparing the undercoat in the diversion area in the rehabilitated or non-rehabilitated main pipe, the UV packer system is positioned and the highly flexible GRP-Double-Hat-Profile is optimally pressed with only about 0.5 bar (7.25 psi) of pressure. With camera technology in front of and inside the UV silicone packer, the optimal fit of the brim and the shaft of the GRP-Double-Hat-Profile can be checked. The complete curing of the UP-Hat-Profile after 8 minutes exposure time thereby covers the underlying EP-Hat-Profile, which provides maximum adhesion for bonding to the old pipe. The two-component-resin SAERTEX® multiHat EP15 also cures through the temperature evolution of the UV-packer at a maximum laminate temperature of 60 °C – 70 °C (140 °F – 158 °F).



SAERTEX® multiHat combi Adjustment 90° Connection

SAERTEX® multiHat combi Adjustment 45° Branch

RESULT

Due to the innovative design of the SAERTEX® multiHat combi (GRP-Hat-Profile), a tight and wrinkle-free adaptation to the pipe and the diversion can be achieved in a safe and quick installation.



SAERTEX® multiHat combi result of the installation

PROPERTIES

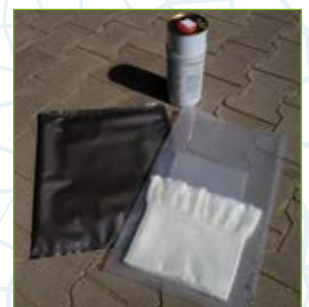
- DIBt-approval Z-42.3-350
- 100% leak-proof through UP- / EP-fibreglass - multi-compound (1000 h test)
- High quality materials: ECR fibreglass with UP and EP system
- Fastest possible cure in a maximum of 8 min and maximum adhesion to the substrate
- High flexibility in the 90° connecting piece and 45° branch
- Main pipe widths from DN 200 (7.87 in) to DN 600 (23.62 in)
- Branch widths from DN 100 (3.93 in) to DN 200 (7.87 in)

SCOPE OF DELIVERY

The delivery of the SAERTEX® multiHat combi system includes:

- SAERTEX® multiHat UP (GRP-Hat-Profile pre-impregnated with UP resin)
- SAERTEX® multiHat basic (GRP-Hat-Profile, dry in impregnation foil)
- SAERTEX® multiHat EP 15 (two-component EP resin container). The pre-portioned components (A : B) are easily, safely and quickly mixed for 1 kg (2.20 lb) of total mixture.

Our GRP-Hat-Profile consist of a seamless and double ECR-fibreglass cord and are manufactured in our own production.



SAERTEX® multiHat combi Scope of Delivery

CONTACT

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