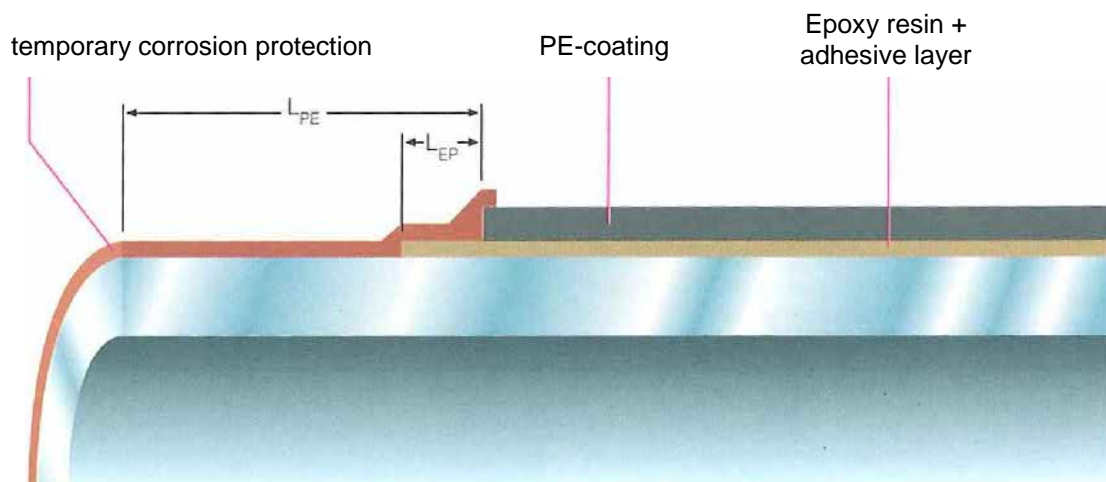


RFCS-Project: „JoinTec“

Coating

3-Layer Coating



- Epoxy (on shot blasted steel surface)
 - glass transition temperature $T_g = 110 \pm 5 \text{ }^\circ\text{C}$
 - thickness: 50 – 300 μm
 - application at 180 – 200 $^\circ\text{C}$
 - impact resistance (DIN 30677 - 2) > 20 J
 - elongation > 5 %
 - hardness (DIN EN ISO 2815) > 90 J/mm
 - adhesion to steel > 10 N/mm^2
- Polymer
 - Polyethylen (HD-PE) acc. to DIN 30670
 - standard thickness: 1.8 – 2.5 mm