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Standardisation of Renovation options

incl. Classification of pressure pipe linings

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wavin International Standardisation – History 2

- 1989: ISO establish a working group for pipeline rehabilitation
ISO / TC138 / WG12 Rehabilitation with plastics pipes and their constituents
- 1992: publication of technical report ISO/TR 11295 'Techniques for rehabilitation of pipeline systems by the use of plastics pipes and fittings'
- 1992: because of parallel work carried out in Europe by CEN, the ISO working group put on hold

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- 1992: CEN establish a working group for pipeline renovation
CEN / TC155 / WG17 Renovation with plastics pipes and their constituents
- 2002: publication of support standard EN 13689 'Guidance on the Classification and Design of plastics piping systems used for renovation'
- 2002->: publication of product/system standards
 EN 13566 (sewer)
 EN 14408 (gas)
 EN 14409 (water)

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active on pipeline renovation in two directions (matrix structure)

- Product standards
 CEN / TC 155 plastics pipes
- Functional standards per application
 - CEN / TC 165 sewer
 - CEN / TC 164 water
 - CEN / TC 234 gas

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EN 12889-2:2005

Figure 1: Trenchless techniques

Figure 2: Example of pipe extrusion

wavin Excerpts prEN 752-4: 'Sewer general' 6

6 Integrated Sewer System Management

Figure 8: Decision process for selection of structural solutions