

# TEST CERTIFICATE

489 1304 119A

Tests according to EN 489:2009

for

non welded joint system for district heating pre-insulated pipeline systems  
type "shrinkable muff with a fixed inside mastic"

by order of

**Salling Plast A/S, 96821 Ranum, Denmark**

Test sample No. 3718, 3719, 3732:

non welded joint system

on 2x DN 80/160 and 1x DN 150/250

Test report 1122E5072

The following tests have been completed in accordance with the European Standard  
EN 489:2009 at the FFI for three non welded joints in March 2013:

Soil stress tests and water impermeability tests.

**The joints have passed the tests successfully.**

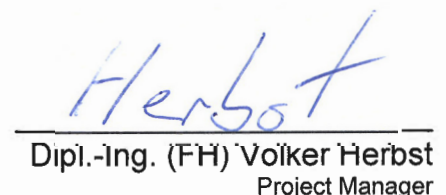
Hemmingen, 2013-04-04



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