

# TEST CERTIFICATE

489 1305 121A

Single Test according to EN 489:2009

for

non welded joint system for district heating pre-insulated pipeline systems  
type „Salling Plast shrinkable muff with loose mastics“

by order of

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

Test sample No. 3721:

non welded joint system

on DN 80/160

Test report 1128E5072

The following tests have been completed in accordance with the European Standard  
EN 489:2009 at the FFI for one non welded joint in April 2013:

Soil stress test and water impermeability test.

**The joint has passed the tests successfully.**

Hemmingen, 2013-05-03

  
Dipl.-Ing. Thomas Grage  
Managing Director

  
Max-von-Laue-Str. 23  
30966 Hemmingen  
+49 511 94370 0  
[www.fermwaerme.de](http://www.fermwaerme.de)

  
Dipl.-Ing. (FH) Volker Herbst  
Project Manager