NORSK
AKKREDITERING

ACCREDITATION DOCUMENT

TEST 190

Flowtite Technology AS, R&D Lab.
PO Box 2059
N - 3202 Sandefjord

The scope of accreditation is P14 in accordance with the specifications on the following pages in this document.

The accreditation was first time granted 03.09.2004 and given according to Parliamentary Proposition no. 106 (1989/1990) and the Statutes of Norwegian Accreditation , established by Royal Decree of 7 October 1993
The organisation complies with the requirementes in NS-EN ISO/IEC 17025 (2000)

The accreditation requires regular surveillance, and is valid until 05.05.2014.
The decision of accreditation made by Norwegian Accreditation implies that the organisation has been found to fulfil the requirements for accreditation within the scope.
The organisation itself is responsible for the results of performed measurements.

NORWEGIAN ACCREDITATION

14/9-09
Date

Norwegian Accreditation

NORSK
AKKREDITERING

AKKREDITERINGSBEVIS

ACCREDITATION CERTIFICATE

Flowtite Technology AS, R&D Lab.

er første gang akkreditert den 03.09.2004 av Norsk Akkreditering

is accredited on 03.09.2004 by the Norwegian Accreditation

og tilfredstiller kravene i NS-EN ISO/IEC 17025

and complies with the requirements of NS-EN ISO/IEC 17025

Akkrediteringens omfang og varighet fremgår av gjeldende akkrediterings-dokument, og akkrediteringen forutsetter regelmessig oppfølging.

The scope and conditions of the accreditation are specified in the accreditation document, and the accreditation requires regular surveillance.

Akkrediteringsnummer: **TEST 190**

Accreditation number

NORSK AKKREDITERING

Norwegian Accreditation

Direktør/Director

NORSK AKKREDITERING

Accreditation document
Accreditation no. TEST 190

Administrative/geographical unit:
R&D Lab.
Postboks 2039
3201 Sandefjord

Permanent facility

P14 Mechanical testing

Object	Parameter	Reference standard	Identity of internal	Comments
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of long-term resistance to internal pressure	EN 1447	4.7.001	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of time to failure under sustained internal pressure	ISO 7509	4.7.001	
Glass-reinforced thermosetting plastics (GRP) pipes and fittings	Determination of the resistance to chemical attack from the inside of a section in a deflected condition	ISO 10952	4.7.002	
Glass-reinforced thermosetting plastics (GRP) pipes and fittings	etermination of the resistance to chemical attack from the inside of a section in a deflected condition	EN 1120	4.7.002	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions	ISO 10471	4.7.003	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of the long-term specific ring creep stiffness under wet conditions and calculation of the wet creep factor	ISO 10468	4.7.004	
Glass-reinforced thermosetting plastics (GRP) pipes and fittings	Test methods for leaktightness of flexible joints	ISO 8639	4.7.005	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of initial specific ring stiffness	ISO 7685	4.7.006	
Joints for glass-reinforced thermosetting plastics (GRP) pipes and fittings	Test methods for leaktightness and resistance to damage of flexible and reduced-articulation joints	EN 1119	4.7.005	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of initial specific ring stiffness	EN 1228	4.7.006	

14/9-09
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Inger Cecilie Laake
Norwegian Accreditation

Administrative/geographical unit:

R&D Lab.
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Permanent facility

P14 Mechanical testing

Object	Parameter	Reference standard	Identity of internal	Comments
Glass fibre reinforced plastics pipes	Determination of initial and long-term ring stiffness	DIN 53769-3	4.7.004	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of long term resistance to internal pressure	ASTM D2992	4.7.001	
Glass-reinforced thermosetting plastics (GRP) pipes and fittings	Determination of resistance to chemical attack	ASTM 3681	4.7.002	
Glass-reinforced thermosetting plastics (GRP) pipes	Determination of long term bending strain and ring deflection	ASTM D5365	4.7.003	
Glass-reinforced thermosetting plastics (GRP) pipes and fittings	Leak tightness for flexible joints	ASTM D4161	4.7.005	

14/9-09
Date

Norwegian Accreditation