



Matrix no. 005

Date: 29.09.2011

Minimum requirements for product documentation

Product Reinforced bitumen sheets for roof waterproofing

Technical specification NS-EN 13707

Intended use

Built in or covered roofs, such as gravel ballasted roof, on terrace under paving or in green roofs

Conformity system	Characteristic	0	N	F	Classification standard	Test standard	Requirements	Recommendati ons
2+	Reaction to fire			х		NS-EN 13501-1 og NS-EN ISO 11925-2	TEK10 ch. 11	
	External fire performance			x ¹⁾	NS-EN 13501-5 BROOF (t2)	ENV 1187 (t2)	TEK10 ch. 11	
	Length and width	Х				NS-EN 1848-1	TEK10 ch. 13	
	Straightness	Х				NS-EN 1848-1	TEK10 ch. 13	
	Thickness and weight	х				NS-EN 1849-1	TEK10 ch. 13	
	Visible defects	Х				NS-EN 1850-1	TEK10 ch. 13	
	Flexibility at low temperature	х				NS-EN 1109	TEK10 ch. 13	544,203
	Dimensional stability	х				NS-EN 1107-1	TEK10 ch. 13	544,203
	Form stability under cyclic temperature			х		NS-EN 1108	TEK10 ch. 13	544203
	Flow resistance at elevated temperature	х				NS-EN 1110	TEK10 ch. 13	544.203
	Adhesion of granules			Х		NS-EN 12039	TEK10 ch. 13	544.203
	Resistance to tearing (nail shank)			Х		NS-EN 12310-1	TEK10 ch. 13	544,203
	Tensile strength	Х				NS-EN 12311-1	TEK10 ch. 13	544,203
	Elongation	х				NS-EN 12311-1	TEK10 ch. 13	544,203
	Joint peel resistance			Х		NS-EN 12316-1	TEK10 ch. 13	544,203
	Jont shear resistance	x ²⁾				NS-EN 12317-1	TEK10 ch. 13	544,203
	Resistance to impact	Х				NS-EN 12691:2006	TEK10 ch. 13	544,203
	Resistance to impact at -10C			Х		NS-EN 12691:2001	TEK10 ch. 13	544,203

Notified body: SINTEF Certification E-mail: certification@sintef.no





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Resistance to static load	х			NS-EN 12730	TEK10 ch. 13	544,203
Resistance to root penetration	x ³⁾			prEN 13948	TEK10 ch. 13	544.803 og 525.306
Hail resistance			Х	NS-EN 13583	TEK10 ch. 13	
Heat ageing (UV)		x ⁴⁾		NS-EN 1296	TEK10 ch. 13	544,203
Watertightness	х			NS-EN 1928	TEK10 ch. 13	Water tightness 544,203
Water vapour resistance			Х	NS-EN 1931	TEK10 ch. 13	573.430
Watertightness after stretching			Х	NS-EN 13897	TEK10 ch. 13	
Wind load			х	EOTA ETAG 006	TEK10 ch. 10	471.043 og TPF information no. 5
Dangerous substances		х			PKL § 3a - duty of substitution. PRF §§ 2-14 REACH Candidate list (among others Antracen)	The list of Priority Substances
Emissions		Х			TEK10 § 9-2	NS-EN 15251
Hazardous waste		Х			AVF Chapter 11 Appendices 3 a and b	

Special conditions

- 1) Documentation of fire classification is obligatory when shets are not completely covered
- 2) Joint shear resistance is obligatory for all single layer applications.
- 3) Root penetration is obligatory for sheets used on turfed and green roofs when no other protection is used.
- 4) Heat ageing is not obligatory for covered sheets according to NS-EN 13707.

Durability shall be documenteted prior to use in Norwegian buildings.

Voluntary documentation

SINTEF Technical Approval

Abreviations

Obligatory according to harmonised technical spesification

N Obligatory according to Norwegian legislation

F Voluntary according to technical specifications and national regulations in most cases,

but may be required depending on the product application in the works

TEK10 Technical Regulations under the Planning and Building Act

PKL Product Control Act
AVF Waste Regulations

PRF Product Regulations relating to restrictions on the manufacture,

import, export, sale and use of chemicals and other products

Status
Valid
Hearing ended
Hearing issued
Proposal

Date: 29.09.2011

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