

Recommended requirements for liquid applied roof waterproofing kits by ddDach[®] (2005)

Nr.	Technical specification for liquid applied roof waterproofing kits	required minimum value	Value of the product	perform yes/no
	Insert: Synthetic fiber fleece with weight per unit area of:	$\geq 150 \text{ g/m}^2$		
I.	DETERMINATION OF CRACK-BRIDGING CAPABILITY acc. to TR-013 testing temperature: - 30°C	TL 4		
II.	DETERMINATION OF THE RESISTANCE TO DYNAMIC INDENTATION acc. to TR-006 condition of testing: 10/ 6 mm, test stamp: 5,9 Joule TO STATIC INDENTATION acc. to TR-007 condition of testing: static load: 200/250 N; 10 mm	I ₃ - I ₄ L ₃ - L ₄		
III.	HAIL RESISTANCE acc. to EN 13 583 Requirements: damaging velocity - hard/soft support	$\geq 25 \text{ m/s}$		
IV.	RESISTANCE TO BURNING CIGARETTE acc. to EN 1399 Requirements:	impenetrable		
V.	DETERMINATION OF THE RESISTANCE TO DELAMINATION acc. to TR-004 - condition of testing: temperature: 23°C, 10 mm/min	$\geq 50 \text{ kPa}$		
VI.	DETERMINATION OF THE RESISTANCE TO FATIGUE MOVEMENT acc. to TR-008 - condition of testing: temperature: 23°C, cycles: 1000	W 3		
VII.	BEHAVIOUR AFTER COATING WITH GREASE acc. to ERNST (1992) Requirements: change elongation compared to new material	$\leq 25 \%$ relative		
VIII.	EXPOSURE PROCEDURE FOR ACCELERATED AGEING BY HOT WATER acc. to TR-012 - testing temperature: 60°C, duration: 180 days	W 3, P 4 L 3 - L 4		
IX.	EXPOSURE PROCEDURE FOR ACCELERATED AGEING IN LIMEWASH following TR-012, (LIMEWASH acc. to EN 1847) testing temperature: 60°C, duration: 180 days	P 3 - P 4 L 3 - L 4		
X.	EXPOSURE PROCEDURE FOR ACCELERATED AGEING IN AN ACID SOLUTION following TR-012, (ACID SOLUTION acc. to EN 1847) testing temperature: 60°C, duration: 180 days	P 3 - P 4 L 3 - L 4		
XI.	RESISTANCE AGAINST MICROORGANISMS acc. to EN-ISO 846, pretreatment before biological test: acc. to EN 1847: Hot water: 50°C, time 14 days, soil-burial test: time 32 weeks, Requirements: Weight loss in contrast to new material	$\leq 4 \%$		
XII.	HYDROLYTIC RESISTANCE following TR- 012 testing temperature: 60°C, duration: 180 days Requirements: Weight loss compared to new material	$\leq 3 \%$		
XIII.	OZONE RESISTANCE acc. to EN 1844 Requirements: no cracks at 6 x magnification	no cracking		
XIV.	EXPOSURE PROCEDURE FOR ACCELERATED AGEING BY HEAT acc. to TR-011 - duration: 200 days, temperature: 80°C	S, W 3 I 3 - I 4		
XV.	EXPOSURE PROCEDURE FOR ARTIFICIAL WEATHERING acc. to TR-010 - method: UV Radiation acc. to ISO 4892 Requirements: 1,0 GJ/m ² , 1.000 h / testing temperature: - 10°C	S, W 3 I 3 - I 4		
XVI.	FISHTEST acc. to OECD »Fish Acute Toxicity Test«, Procedure 203, EEC directive 92/69EEC, DIN 38 412 L 31, Description: ERNST(1999), Testfish: Poecilla reticulata (Guppy), Requirements: > 24 hours (attached):	yes/no		
XVII.	RESISTANCE TO ROOT PENETRATION acc. to FLL-Test (1999): Requirements: resistance against root and rhizome penetration (attached):	yes/no		
XVIII.	DECLARATION ECOLOGICAL CHARACTERISTICS acc. to SIA 493 (att.):	yes/no		

In signing this document, the manufacturer confirms that the values given above can be verified by an officially recognized, public test laboratory or a testing institution in keeping with the international standards of quality management and quality systems (ISO 9001).

Manu- facturer	The specified values apply to the product trade name/material: Product/Article: _____ / _____ CE-mark according attached technical data sheet	Company stamp and sign: _____
---------------------------	---	--------------------------------------