

Product Data Sheet

NIK® - SEAL FBVS Type P

Fully Bonded Membrane System

Valid from 06. Februar 2020

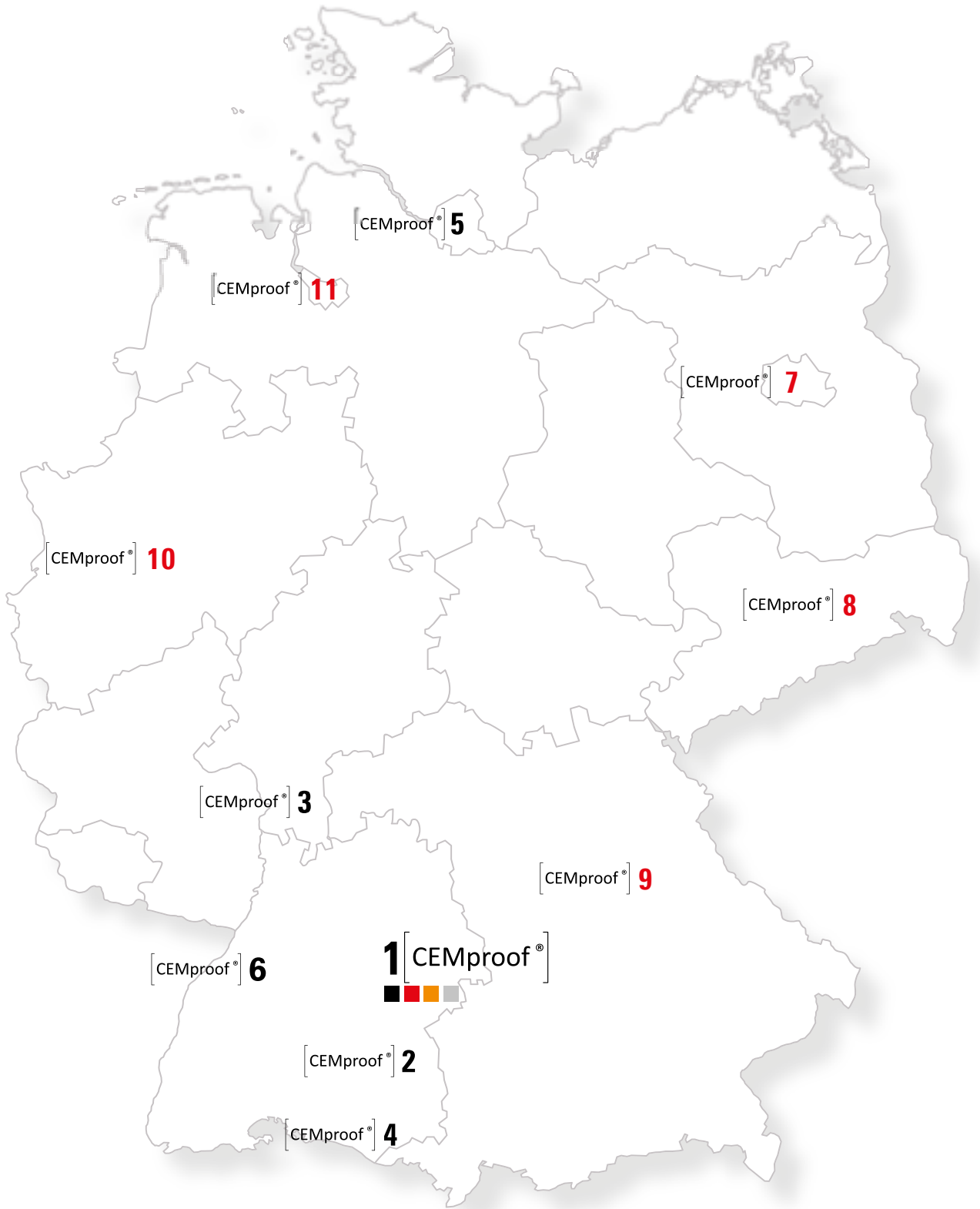
CEMproof®

CEMproof® NIK®-Seal FBVS Type P

dichter dran.

CEMproof® Unternehmensgruppe
■ ■ ■ ■ Deutschland

Our locations



- CEMproof® 12**
- Switzerland, Sirnach, Kanton Thurgau
 - Switzerland, Therwil, Kanton Basel-Landschaft

Locations / Germany

1. headquarter süssen

baierhofweg 3
73079 süssen / germany
fon +49 7162 70 759 90
fax +49 7162 70 759 99
e-mail info@cemproof.com

2. location biberach

beethovenstraße 3
88400 biberach / germany
fon +49 7162 70 759 50
fax +49 7162 70 759 99

3. location rhein-main

ohmstraße 12
63225 langens (hessen)
fon +49 7162 70 759 40
fax +49 7162 70 759 99

4. location konstanz

oberlohnstraße 3
78467 konstanz / germany
fon +49 7531 99789 60
fax +49 7531 99789 70

5. location hamburg

waldhofstraße 25 / halle 7
25474 ellerbek / hamburg
fon +49 7162 707 59 0
fax +49 7162 707 59 90

6. location herrenberg

cemproof group gmbh
heerstr. 19
71083 herrenberg / germany

Sales locations / Germany

7. Berlin

8. Sachsen

9. Bayern

10. Nordrhein-Westfalen

11. Bremen

12. Schweiz

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NIK®-Seal FBVS Type P

Product Data Sheet

Fully Bonded Membrane System

Product description

NIK®-Seal FBVS Typ P is a fully bonded membrane for waterproof basements based on highly-flexible FPO. Polyolefine Pressure-water-tight and crack-bridging fresh concrete composite system NIK®-Seal FBVS type P is a fresh concrete system based on a flexible polyolefin membrane - FPO. Through the multilayered Structure of the FPO membrane with central glass fleece insert and thermally embedded PP fleece lamination arises after the Hydration of fresh concrete a permanent concrete composite.

Field of application

- Supplementary measure for watertight concrete constructions „White tank“ acc. Guideline of DAfStb
- waterproof fresh concrete composite system
- Joint expansion 1 mm
- ground slab
- walls (single-headed and two-headed)
- use in the precast concrete industry
- protection of the concrete structure at e.g. concrete attack acc. DIN 4030
- as a barrier against natural radon

Product features

- pre-applied system to install in the formwork on the side of water pressure
- fully bonded technology-surface and durable mechanical concrete composite
- Pressure water tight up to 50 m water column (5 bar)
- General building inspectorate test certificate for 20 m water column (2 bar)
- Tested for a joint widening up to 1 mm
- Resistant to all natural occurring in groundwater and soil aggressive substances
- Resistant to roots and microorganisms
- Possible combinations with other product systems of the NIK®-Seal product group
- Expansion joint transitions can be achieved with joint tapes of DIN 18541 and DIN 7865 are produced

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Tests / Approvals

- general building inspectorate test certificates of MPA (Material-testinginstitute) Nordrhein-Westphalia-
- CE Certificate 1213-CPR-6455
- Functional tests tested by Wissbau laboratory, Essen, Gemany
 - distance tubes
 - pipe feedthrough
 - Subsequent repair
 - combination with NIK®-Seal 1K
 - fresh concrete composite spacers
- radon vapor barrier test report of the Czech Technical University, Praha
- DGNB 2012: quality level 4
- DGNB 2015: quality level 4

Storage


The roller are lying and protected from direct sunlight and moisture to store. The roller must be installed since 24 months in the original packaging after production Pallets must not be stacked

characteristics

The information in our product information is based on our current knowledge and experience. The object-related suitability of the product must be ensured by the user. Our processing instructions are to be kept in each case. The technical characteristics are deviations within the tolerance limits possible. Our respective terms and conditions apply.

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Product Data Sheet according to DIN EN 13967

1213-CPR-6455 

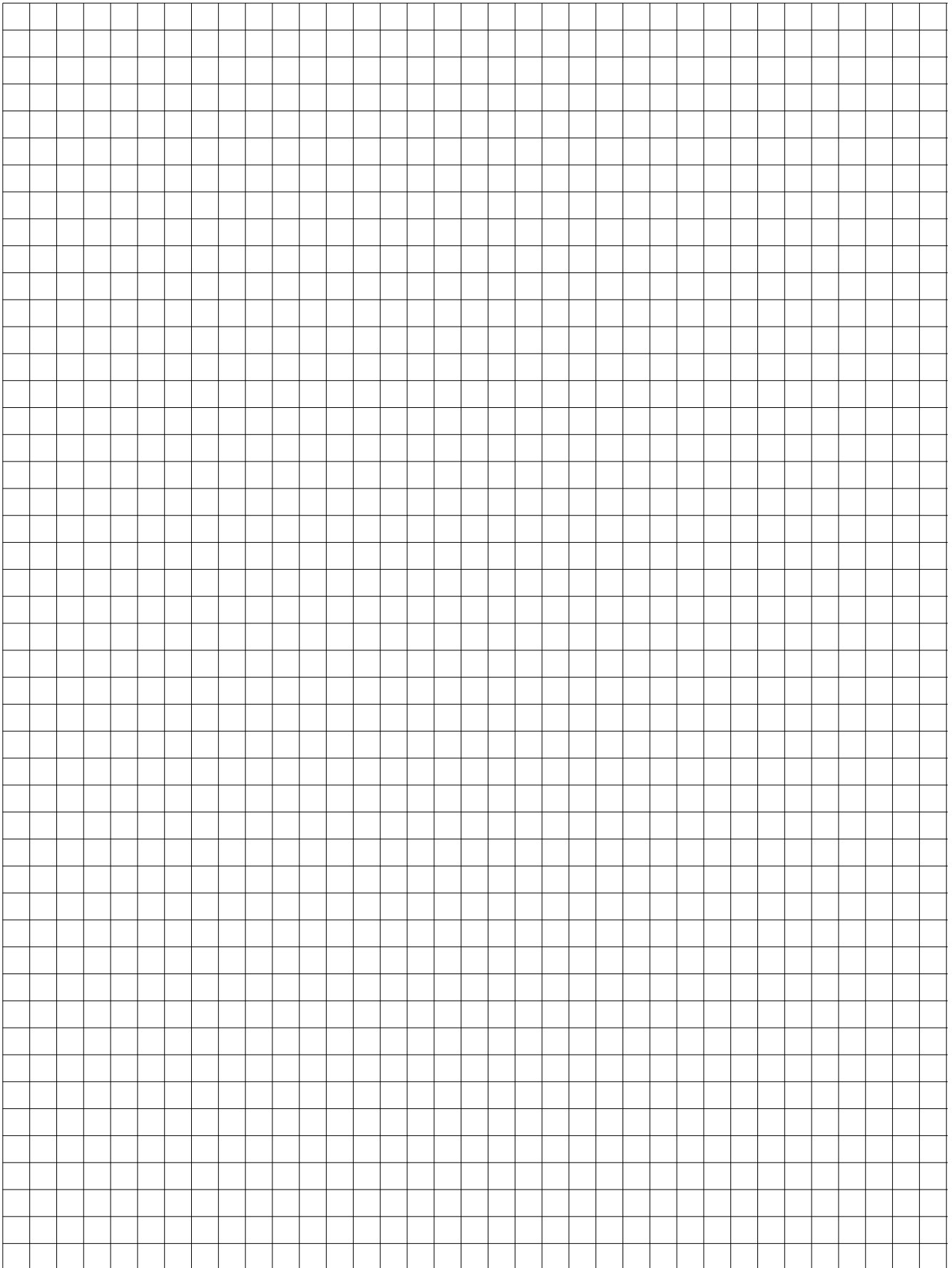
Technical Specification to DIN EN 13967	Product Description Material: Flexible Polyolefines (FPO/PE) CEMproof [®] - SEAL FBV Typ P
Areas of Application	
Sealing as moisture barrier Type A	✓
Sealing as groundwater barrier Type T	✓
Techn. Features	Composion FPO membrane with central glass fleece reinforcement and Polypropylene (PP) fleece lamination
Length to DIN EN 1848-2	20 m ¹⁾
Width to DIN EN 1848-2	1500 mm ²⁾
Weight per m ² DIN EN 1849-2	1320 g/m ²
Effective thickness	1.2 mm
Reaction to fire to DIN EN 13501-1	Class E
Water vapour diffusion resistance factor to DIN EN 1931 μ	90.000 (Method B)
Tensile strength to DIN EN 12311-2	≥ 300 N/50mm (Method A)
Elongation to DIN EN 12311-2	≥ 50 % (Method A)
Joint shear resistance to DIN EN 12317-2 (hot air welded)	≥ 300 N/50mm
Resistance to impact to DIN EN 12691 Rigid substrate Flexible substrate	≥ 300 mm (Method A) ≥ 800 mm (Method B)
Resistance to static load to DIN EN 12730	> 20 kg (Method A/B)
Tear resistance to DIN EN 12310-2	≥ 150 N
Tear resistance-nail shank to DIN EN 12310-1	≥ 400 N
Dimensional stability to DIN EN 1107-2	≤ 0,3 %
Foldability at low temperatures to DIN EN 495-5	≤ -30 °C
Chemical resistance to DIN EN 1847 (Annex C)	passed
Durability of water tightness with simulated ageing to DIN EN 1296 und 1928	passed (Method B)
Exposure to bitumen to DIN EN 1548	passed
Water tightness to DIN EN 1928	≥ 500 kPa (Method B)
Colour	Standard colour: light-grey

¹⁾ Special lengths on request

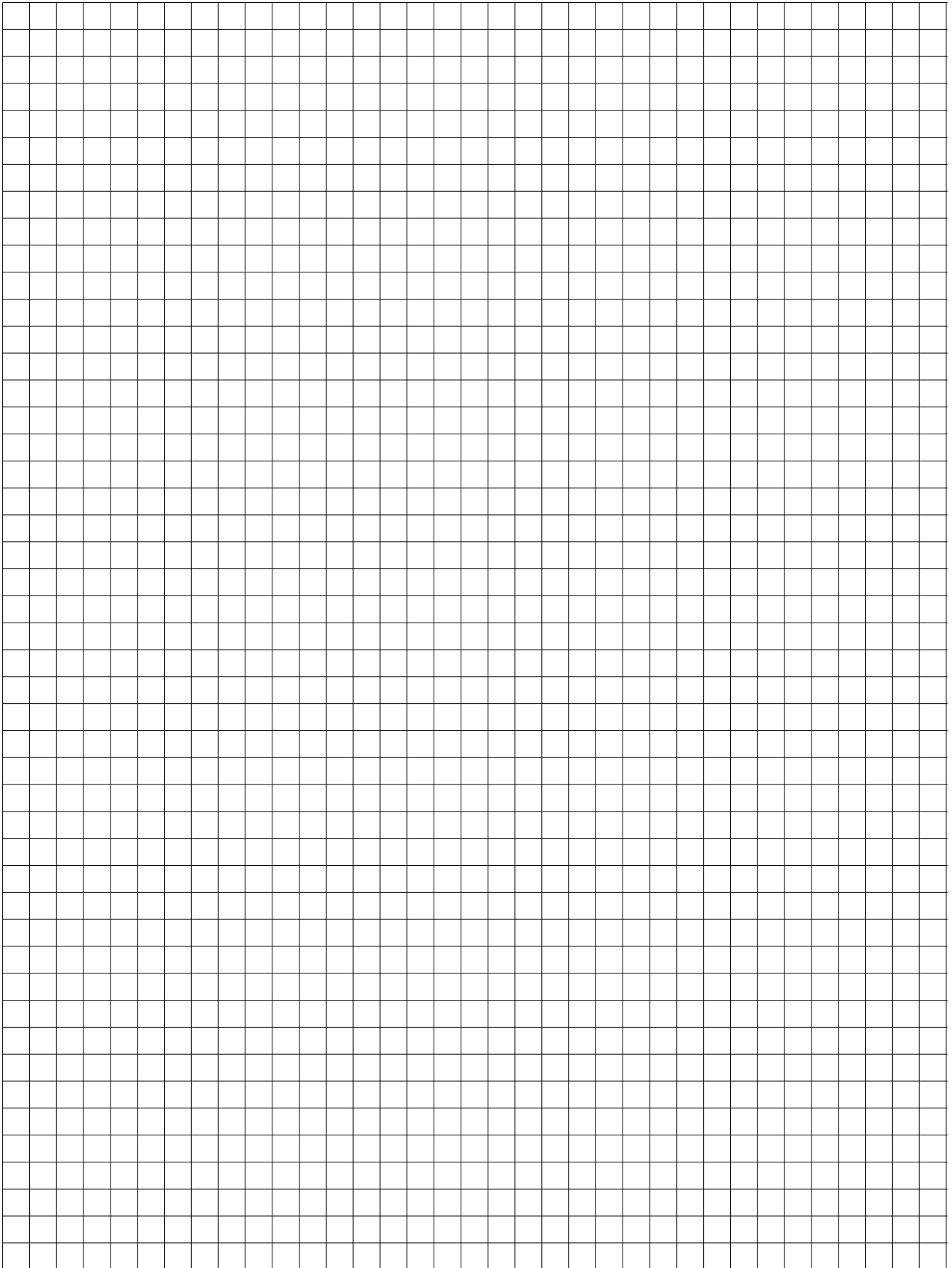
²⁾ With one- or double-sided fleece-free selfedge

The information given in our technical data sheets is based on the current knowledge and experience. There is no claim for completeness. The suitability for the correct application has to be secured by the applicator. Preliminary tests are recommended. The technical features can vary within the quoted tolerances. Our current general business terms are valid.

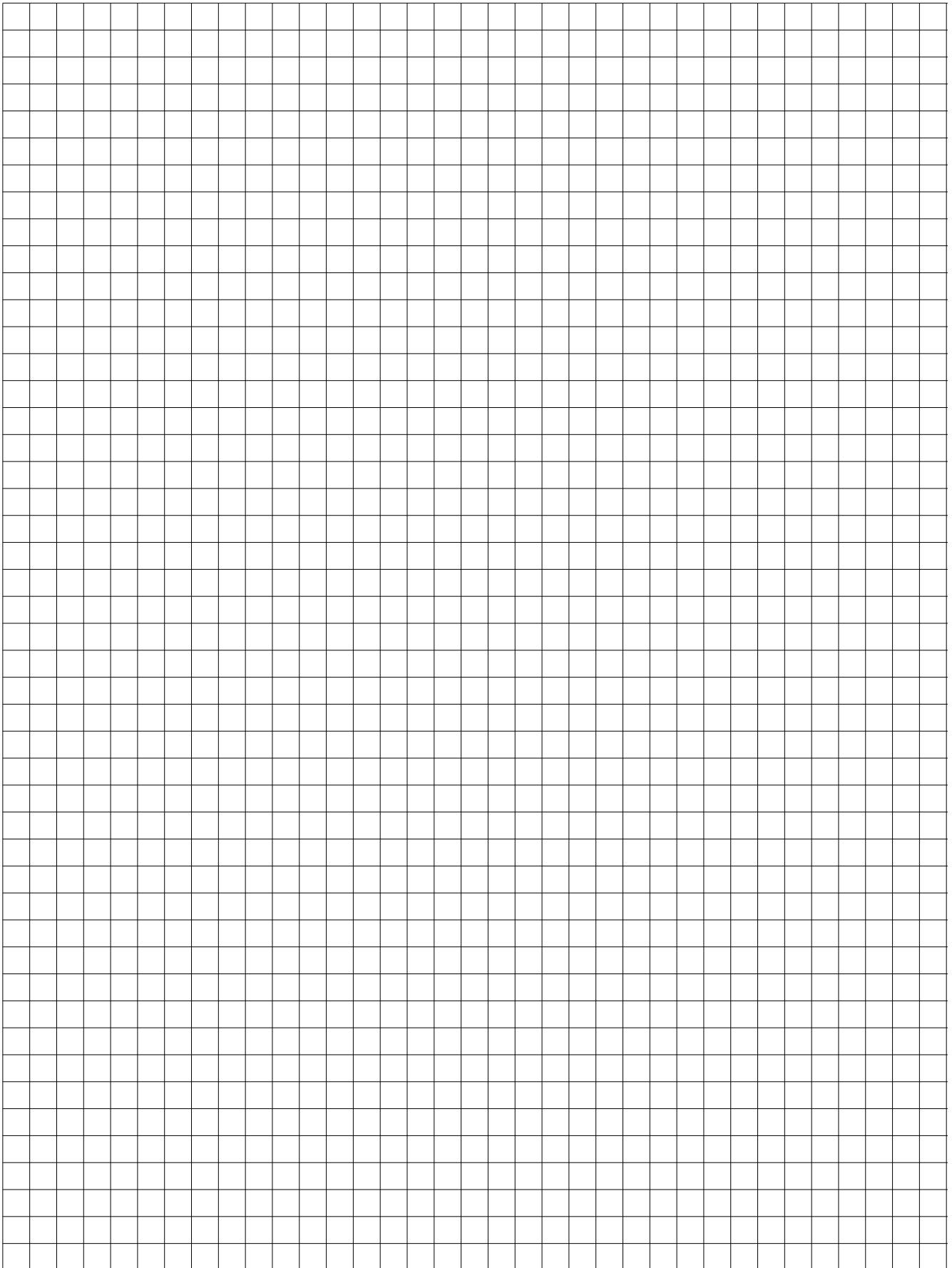
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