

# ELAPROOF™

## INDOOR



### For healthy indoor air!

- Elastic ecological sealant -

**READY-TO-USE  
ELASTIC COATING MASS  
FOR INDOOR AIR SEALING AND  
PROTECTION AGAINST RADON**



[www.elaproof.com](http://www.elaproof.com)



## ELASTIC AND ECOLOGICAL SEALANT

ElaProof Indoor is a ready-to-use 1-component water-based coating for indoor air sealing and protection against radon. The unique elasticity and excellent adhesion of the product on various surfaces ensure safe and secure sealing.

ElaProof Indoor keeps joints tight when buildings and structures shrink and expand. In indoor premises, the product dries fast while forming an airtight film – enabling you to proceed to the next work stage without waiting.

## FOR HEALTHY INDOOR AIR

It is vital to ensure clean and healthy indoor air both in new constructions and renovation. Sealing joints and air leaks and protecting against radon often prove to be the most critical aspects of structural maintenance.

ElaProof Indoor has been granted the Finnish M1 emissions certificate. M1 certifies that it belongs to a group of construction materials which are with the smallest amount of emissions.

ElaProof Indoor has also been awarded the pan-European certificate of products designed for indoor use – Emission Code EC 1 and it bears the CE marking. Proper working methods and careful application in combination with the best building products ensure the best results.



## WHY ELAPROOF INDOOR

- ELASTIC AND ECOLOGICAL
- READY TO USE, EASY TO APPLY
- ADHERES TO VARIOUS SURFACES
- GOOD BRIDGING CAPACITY

FOR MORE INFORMATION, PLEASE VISIT:

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## APPLICATIONS

### INDOOR AIR SEALING

- Blocking of air leaks and sealing of joints and lead-throughs at connections of different structures

### PROTECTION AGAINST RADON

- Radon sealing in floors, plinths, under-structures and basement structures supported on the ground, and jointing the structures

## APPLICATION

ElaProof Indoor is a ready-to-use sealant, which is easy to spread with a trowel, brush or roller. The product becomes touch dry in a few hours when dried at room temperature, after which you can either apply a new layer or continue with other installation works. ElaProof Indoor achieves final tightness and hardness in about one week. The product is also available in a professional pressure-sprayed version suitable for larger areas.



## SIDE PRODUCTS

### ELAPROOF REINFORCEMENT FABRIC

- Reinforcement fabric tape for sealing and reinforcing corners, angles and lead-throughs as well as for patching holes in substrates to be coated.

### ELAPROOF PRIMER

- A primer for the pre-treatment of porous surfaces both indoors and outdoors. Seals the small pores in the substrate to be coated and improves the adhesion of ElaProof. Especially recommended for concrete and other porous surfaces.



Available in 5 and 15 litre buckets and 160 litre barrels for professional spraying.  
Colours: **black and grey.**



## ELAPROOF INDOOR – TECHNICAL SPECIFICATIONS

	Feature	Method
Binding agent	waterborne polymer dispersion	
Colour	black, grey	
Product sortiment	hand spreadable elastomer, sprayable elastomer	
Adhesion to base materials:	all construction materials, e.g. all concrete based, metal, aluminium, construction plates, glass, woven materials	
Dry matter content	64 ± 1 %	EN ISO 3251
Acidity (pH)	7 - 8	
Recommended dry film thickness	air sealing min. 0,5 mm   radon barrier min. 0,8 mm	
Drying time (+20°C, RH 45%, 1,0 l/m <sup>2</sup> )	3 - 4 h (depending on the substrate)	
Adhesion strength	1-4 N/mm <sup>2</sup> (depending on the substrate)	EN 1542:1999, EN ISO 4624
Elongation at break	711 ± 40 %	ISO 527-1:1993
Crack bridging ability (+22°C, 50% RH, thickness 0,6 mm)	10,3 mm	EN 1062-7
Tear strength	9,8 ± 0,3 MPa/m <sup>2</sup>	ISO 527-1:1993
Water vapor permeation	7,21 x 10 <sup>-14</sup> kg/(m • s • Pa)	EN 12572
Fire class	C-s1,d0	Euroluokka, EN 13501-1
Air tightness	Tested	Vahanen Rakennusfysiikka, 2018
Radon tightness	Tested	SP Method 3873, RISE, Sweden, 2017
Emission class	Very low emissions: M1, Emission EC	Eurofins, Denmark, 2019

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## THE STORY OF BUILD CARE

ElaProof products are developed and manufactured by Build Care Oy, which is a Finnish company specialised in protective coating materials. Ecological water-based products protect and seal buildings and structures both outdoors and indoors. The products are manufactured in Finland and are specially designed for the demanding Nordic conditions.

### THERE MUST BE A BETTER WAY

As an entrepreneur, Vesa Koponen sold solutions for the most complex waterproofing and corrosion problems on the market. However, he was not satisfied with the products available. The insulation properties of the products did not last long in the changing weather of the northern climate. Toxic solvents caused health hazards both for workers and the users of buildings. The adhesion of the products was also not reliable with all materials or moist substrates. Vesa often used to say: „There must be a better way.“

### FROM A GARAGE TO INTERNATIONAL MARKETS

Over a decade, extensive development work by Vesa resulted in a completely new type of product line, which is based on innovative polymer chemistry and offers a better solution for coating and waterproofing needs. After thousands of tests, we introduced to the market an elastic protective ElaProof product family, which is solvent-free and has proven its functionality in numerous pilot sites. Product development, manufacturing and marketing is continued by Vesa's son Juha Koponen with a focus on ecology, reliability and ease-to-use.



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