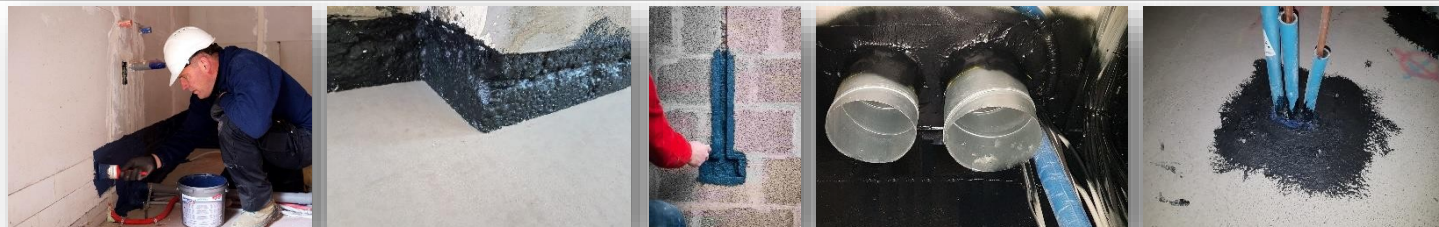


# BLOWERPROOF®

## LIQUID BRUSH

## Paint-on airtight membrane and vapour control.

Certified by Passive House Institute and BBA.



### DESCRIERE ȘI UTILIZARE

BLOWERPROOF® LIQUID BRUSH dries to form a flexible airtight membrane with strong adhesion to the substrate, and also serving as vapour barrier. BLOWERPROOF® LIQUID BRUSH is applied with a paintbrush. Suitable substrates include concrete, masonry, bricks, blocks, plaster/render, engineered wooden boards, tapes, membranes, aluminium, steel and PVC.

BLOWERPROOF® LIQUID BRUSH is a water-based dispersion without organic solvents. Dried material can be disposed of as non-hazardous waste.

BLOWERPROOF® LIQUID BRUSH is used for the permanent airtightness of the following building parts:

- Floor/wall, wall/wall and wall/ceiling connections
- Pipe penetrations and window jambs
- (Curtain) walls
- Wall/roof connections (steel deck)

### AVANTAJE

- BLOWERPROOF® LIQUID is certified as permanent airtightness, intelligent vapour control and radon barrier by the BBA and the Passive House Institute.
- The intelligent vapour control characteristic of BLOWERPROOF® LIQUID prevents moisture migration into the applied surface (Sd: 20 - 30) however allows excess humidity to escape (BBA).

### METODĂ DE APLICARE






#### PREPARATION

- Standing water, dust and loose particles are removed with a vacuum cleaner. BLOWERPROOF® LIQUID BRUSH may be applied to humid (damp) surfaces.
- Fill holes and gaps bigger than 5mm with non-shrink gap-filling mortar or non-shrink polyurethane foam. When using polyurethane foam, cut off excess after hardening.
- Apply Primer 43 on those mineral surfaces which are highly absorbent or which have low water resistance; on new plasterboards, on dusty surfaces or when applying in temperatures > 25°C.

#### APPLICATION METHOD

- Apply BLOWERPROOF® LIQUID BRUSH with a flat synthetic bristle paintbrush in 1 or 2 layers. Consumption: 0.5kg/m<sup>2</sup> to 1kg m<sup>2</sup> or about 500 to 1000 microns to be verified with a thickness gauge. BLOWERPROOF® LIQUID can be applied both on dry and humid (damp) surfaces. Apply the second layer after the first has fully dried.
- The product should be well worked in using a smearing action to ensure continuous unbroken coverage.
- Avoid (local) layer thickness of > 5mm such as in joints/openings or pock marks.
- Apply over an area sufficient to overlap finish plaster or render by 50mm; in all cases apply a minimum of 50mm above DPC at ground level.
- During the drying process, BLOWERPROOF® LIQUID BRUSH will change colour from blue to black, which means it has fully dried out and is ready to accept a finish such as flexible paint or sprayplaster / render, as well as to fix insulation boards onto BLOWERPROOF® LIQUID BRUSH with glue, dot&dab or anchoring. (\*)  
 (\*): BLOWERPROOF® LIQUID BRUSH is also available in white which does not show a colour change when drying. Contact the manufacturer / local importer for specific advice depending finishes or installing insulation boards on Blowerproof®.

## CHARACTERISTICS

| INSTITUTE   | TEST   | STANDARD  | VALUE/RESULT  |   |
|---|--|---|---|---|
|    | System certification: airtightness of building connections.  | Passive House   | PASS:<br>COMPONENT A<br>AIR PERMEABILITY: 0,04 m <sup>3</sup> /(hm <sup>2</sup> ) |   |
|    | Product certification: permanent airtightness and intelligent vapour barrier.<br>Expected durability: lifetime of the construction | BBA   | PASS  |   |
|   | Resistance to fatigue movement   | EOTA TR008:2004   | PASS  |   |
|   | Elongation after ageing  | BS EN ISO 527-3   | 262,7%  |   |
|   | Damp diffusion resistance factor   | EN ISO 12572 (2001)   | Sd: 11,5 meter – G: 57,5 M.N. s/g<br>(μ = 35967, 0,6 kg consumption)              |   |
|   | Watertightness   | EN 14891  | Pass  |   |
|   | Adhesion on red brick (dry)  | ISO4624 (2002)<br><i>Values after artificial ageing of sample membrane</i><br><br><i>Tests realized by BBRI</i> | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on red brick (moist)  |   | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on concrete brick (dry)   |   | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on concrete brick (moist)   |   | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on calcium silicate stone (dry)   |   | Adhesion value exceeding substrate strength                                       |   |
|   | Adhesion on calcium silicate stone (moist)   |   | Adhesion value exceeding substrate strength                                       |   |
|   | Adhesion on PVC  |   | 0,8 N/mm <sup>2</sup>   |   |
|   | Adhesion on aluminium  |   | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on EPDM (Tridex)  |   | > 1 N/mm <sup>2</sup>   |   |
|   | Adhesion on roofing  |   | Adhesion value exceeding substrate strength                                       |   |
| Adhesion of sprayplaster (knauf MP75) on Blowerproof Liquid                         | Adhesion value exceeding substrate strength  |   |   |   |
|  | Flame propagation<br>Fire reaction   |   | EN ISO 11925  | PASS  |
|  | Free from VOC, TVOC, carcinogenics, ammonia, formaldehyde  |   | EN ISO 16000-9/6<br>EN 717-1<br>EN ISO 16000-28                                   |  |

- Consumption: 0,5 to 1 kg/m<sup>2</sup> (depending substrate)
- Ambient and substrate surface temperature during application and drying: > 5°C.
- Density: +/- 1,15 kg / litre
- Available colours:
  - blue (drying to black airtight coating)
  - white (drying to white airtight coating)
- Drying time: 4 to 48 hours depending on substrate temperature, air humidity, applied layer thickness and ventilation.
- Storage: 5 – 20 °C; stored dry, out of direct sunlight; conservation: 12 months from date of production, original unopened packaging.

## PACKAGING

- 5 kg pails – pallet : 96 x 5 kg
- 300 gram cartridges – box: 12 cartridges

## SAFETY

Consult the Safety Data Sheet prior to application. Work in ventilated areas.

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