BLOWERPROOF® LIQUID

Water based, VOC free, polymer emulsion that dries to form a continuous, permanent, flexible, airtight membrane. Applied with an airless paint spray machine.



DESCRIPTION

NOTE: BLOWERPROOF LIQUID SPRAY MUST be applied by an approved contractor
Please call us to find an approved contractor for your project, our application service includes application, materials, airtightness testing and comes with a full guarantee. We cover the whole of the UK

BLOWERPROOF LIQUID SPRAY is a VOC free polymer based liquid, applied with an airless paint spray device which dries to form an airtight flexible coating with a good adhesion on different surfaces such as concrete, brick, wood, metal etc.

Areas of use:
» Floor/wall connections
» Wall/ceiling connections
» Entire walls
» Wall/wall connections
» Vertical and horizontal joints

APPLICATION

PRIOR TO STARTING THE APPLICATION
» Remove salt efflorescence, dust, loose parts and standing water from the surface.
» Fill holes and joints with **BLOWERPROOF GAP FILLING MORTAR** or similar fast setting cement based product or polyurethane foam; Apply **BLOWERPROOF LIQUID BRUSH** on holes and joints < 5mm.
» Do not apply BLOWERPROOF LIQUID at T< 5°C (also substrate temperature)
» Application on humid surfaces is allowed, but remove standing water.

APPLICATION
» **BLOWERPROOF LIQUID SPRAY** is ready-to-use; mix with hand mixer before application. Do not dilute with water or solvents.
» Apply with an airless paint spray device.
» Cleaning airless device: with water.
» Apply **BLOWERPROOF LIQUID SPRAY** in two layers, at a total consumption of 0.5 - 1 kg/m².
» Complete drying is requested prior to applying another product on **BLOWERPROOF LIQUID SPRAY** (such as plaster). Drying time may vary and depends on local conditions and condition of the substrate. Indicative: 24 - 48 hours.

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CHARACTERISTICS

TEST REPORTS AND CERTIFICATIONS

This table contains average values from reports and certifications from independent building testing institutes. Values obtained after ageing of the samples are marked with « v ».

TEST INSTITUTE	TEST	NORM	VALUE
bbri.be	Damp diffusion resistance factor	EN ISO 12572 (2001)	μ = 76584
BBA	Resistance to fatigue movement	EOTA TR008:2004	No cracking or delamination
BBA	Elongation	BS EN ISO 527-3	350,5% (average value)
BBA	Elongation after ageing	BS EN ISO 527-3	325,2% (average value)
bbri.be	Adhesion on red brick Porotherm (dry)	ISO4624 (2002)	1,5 N/mm² (v)
bbri.be	Adhesion on red brick Porotherm (moist)	ISO4624 (2002)	1,4 N/mm² (v)
bbri.be	Adhesion on concrete brick (dry)	ISO4624 (2002)	1,9 N /mm² (v)
bbri.be	Adhesion on concrete brick (moist)	ISO4624 (2002)	1,6 N /mm² (v)
bbri.be	Adhesion on Ytong block (dry)	ISO4624 (2002)	0,8 N /mm² (v); 100% failure in the substrate
bbri.be	Adhesion on Ytong block (moist)	ISO4624 (2002)	0,7 N /mm² (v) >70% failure in the substrate
bbri.be	Adhesion on gypsum block (Isolava)	ISO4624 (2006)	1,6 N /mm²
bbri.be	Adhesion on OSB wood	ISO4624 (2002)	0,6 N /mm² (v) >70% failure in the substrate
bbri.be	Adhesion on multiplex wood	ISO4624 (2002)	0,6 N /mm² (v) >50% failure in the substrate
bbri.be	Adhesion on steel	ISO4624 (2002)	2,7 N /mm²
bbri.be	Adhesion on EPDM (« Tridex »)	ISO4624 (2002)	1,3 N /mm² (v)
bbri.be	Adhesion on roofing	ISO4624 (2002)	0,7 N /mm²; 100% failure in the substrate
bbri.be	Adhesion of sprayed plaster (knauf MP75) on Blowerproof Liquid	ISO4624 (2002)	0,4 N /mm² (v); >40% failure in the plaster
bbri.be	Adhesion of thin plaster (ALLTEC) on Blowerproof Liquid	ISO4624 (2006)	0,8 N /mm² (v);
UNIVERSITY OF GHENT (BELGIUM)	Airtightness floor/wall after ageing	NBN EN 12114:2000 Eurocode 7	0,07 M³/H.M (50BAR) (V)
warringtonfiregent	Flame propagation	EN ISO 11925-2	<150 mm
warringtonfiregent	Fire reaction	EN ISO 11925-2	NO
VTT	VOC, TVOC, carcinogenics, ammonia, formaldehyde	EN ISO 16000-9/6 EN 717-1 EN ISO 16000-28	A+ M1
Mecadi	Methane permeability	ISO 15105	62 – 75 cm^3 (STP)·mm·m^{-2}·day^{-1}·atm^{-1}

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ADDITIONAL TESTREPORTS

BCB	Airtightness of floor/wall connection
BCB	Airtightness of entire walls, with anchored insulation
Airtightness reports (blower door) of completed projects	

OTHER CHARACTERISTICS

» Average consumption: 0,5 - 1 kg/m² (indicative, dependent on substrate)
» Density: +/- 1,2 kg / litre
» Available colours:
  – blue (drying to black airtight coating)
  – white (drying to white airtight coating)
» Indicative drying time: 0.5 to 24 hours (depending on substrate temperature, air humidity, applied layer thickness and ventilation).
» Storage: 5 – 20 °C; store dry, out of direct sunlight; shelf life: 12 months from date of production if kept in original unopened packaging.

PACKAGING

10kg pails – pallet : 44 x 10 kg

SAFETY

Consult the safety data sheet prior to application. Always work in well-ventilated areas. Avoid skin contact when product is in wet condition. Wear eye protection, mouth mask, gloves and safety wear during application.

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