

# PHS Airtight Liquid Membrane

PHS Airtight Liquid Membrane is a VOC free, water based, flexible, fibre reinforced polymer. It provides a unique and sustainable solution for airtight construction junctions in both new builds and retrofits. It permanently seals connections:

- · wall to floor,
- · wall to ceiling,
- · window and door jambs,
- · pipe and ducting penetrations,
- · general construction joints.

## **Properties**

- · Airtight and vapor barrier.
- Fiber reinforced therefore suitable for crack bridging up to 2mm.
- · Stays elastic after curing and very sustainable.
- · Forms a seamless membrane.
- · Very good adhesion on many porous materials.
- · Good adhesion on slightly moist substrates.
- Good adhesion on slightly dusty substrates.
- · Can be painted, plastered or taped after drying.

### **Application**

- PHS Airtight Liquid Membrane is ready-to-use; mix with hand mixer before application. Do not dilute with water or solvents.
- Apply PHS Airtight Liquid Membrane in two layers with a brush, at a total consumption of (indicative) 0,8-1 kg/m2.
- Drying time may vary and depends on local conditions and condition of the substrate. Indicative: 24-48hr.

#### Characteristics

- Average consumption: 0,8 1 kg/m2 (indicative, depending on substrate).
- Density: +/- 1,15 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: 5-20C; stored dry, indoors. Protect from frost.
  Shelf life: min. 12 months unopened, in appropriate packaging.



#### Technical Data

Colour	Blue (wet), Black (dry)waterborne polymer	
Basis	paste reinforced with fibres	
Application Temperature	+5°C to +45°C	
Storage Temperature	+5°C to +20°C	
Packaging	5Kg	
SD value	>10	
Density	1.15kg/litre	
Air tightness	0.07m <sup>3</sup> /H.M (50 Pa)	EN 12114: 2000
Elongation at break	>230%	EN12311-1
Diffusion Resistance	Factor (u-value) 10241	
Adhesion on Concrete	1.9N/mm <sup>2</sup>	ISO 4624

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