

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: 5-20°C; 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 ³ /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 ²	ISO 4624