SIRAMIGUARD

VAPOUR BARRIER

Technical Data Sheet rev 09.23

Product description

SIRAMIGUARD VAPOUR BARRIER is a fiber reinforced polymer membrane for vapour barrier over construction-based substrates. SIRAMIGUARD VAPOUR BARRIER is a waterbased (VOC Free), single component, sprayable Vapour Barrier Membrane (VBM) formulated to provide a seamless weather resistant protective membrane which provides a flexible film allows expansion and contractions of substrates during low and high temperature weather cycles, good UV resistance with a durable polymeric finish. Elastomeric polymeric film primer-finish.

Intended applications

Can be applied over common porous surfaces in construction builds. Also suitable for concrete / cementitious substrates. Can be used over joint sealants and expanded foams. The polymer coating can withstand crack bridging up to 5mm.

Technical information

Product chemistry
A waterbased polymeric vapour barrier.

Colour
White and Grey

Specific gravity
Approx. 1.10 g/ml

Theoretical spreading rate
5.3 m^2/l at 100µm DFT

Typical film thickness
500µm DFT per coat

Volume solids
53% ± 2%

VOC
Free

Temperature resistance
-20 to 180°C

Application methods
Airless, brush and roller

Performance Polymers Group I 3-4 Shrivenham 100 business Park I Watchfield I United Kingdom I Tel +44 1793 783437 I Web www.pp-bv.com

Preparation

Substrates must be clean, dry and free from any contamination. All oil, dirt, grease, dust, foreign material must be removed prior to coating.

Substrate	Surface Prep
Metals	Apply directly to substrate
Galvanized	Apply directly to substrate
Stainless Steel	Apply directly to substrate
Cementitious	Apply directly to substrate
Brick, Minerals, Tiles	Apply directly to substrate
Bitumen / asphalt	Apply directly to substrate
Wood	Apply directly to substrate
Existing Paints	Apply directly to substrate

Substrate temperature & conditions

Substrate temperature should remain between 10 to 50°C and remain 3°C above the dew point and relative humidity should remain 35 - 85% during application.

System specifications

Typical system SIRAMIGUARD VAPOUR BARRIER in a 1 coat application for vapour barrier properties over various construction substrates.

Ambient spray (10 to 50°C) application:

- SIRAMIGUARD VAPOUR BARRIER: 500µm DFT

Application

Airless

Pump: 30:1 or higher

Tip size: 0.015 – 0.017 inch

Pressure: 2031 psi / <140 bar

Hose diameter: >1/2 inch

Thinning:
None

Airspray (conventional)

Pressure: 30 psi / 2.1 bar

Nozzle orifice: 1.8 - 2.2mm

Thinning:
None

Brush/roller

Thinning:
None

Mixing
SIRAMIGUARD VAPOUR BARRIER is a single component product. The material should always be mixed using a mechanical agitation in slow speed using a plastic paddle.

Reactivity
SIRAMIGUARD VAPOUR BARRIER is a self-cross-linking polymeric membrane coating. The lid should be kept on when not in use to prevent skinning.

Reducer
None

Clean up
Water, discard waste in accordance with local environmental regulations.

Packaging
20 litre pails

Coating & curing schedule

Spreading rate information

DFT	*Theoretical spreading rate*
500	1.06 m^2/l

Film thickness information

DFT/WFT	Minimum (µm)	Maximum (µm)
Dry film thickness	*500*	*1000*
Wet film thickness	*943*	*1886*

Drying & recoating information

Temperature (°C)	Touch dry	Overcoating time
10	6 hours	24 - 32 hours
23	3 hours	16 - 24 hours
38	1 hour	8 - 16 hours

Notes: drying times can vary upon different environmental conditions. Coating should be applied within the information supplied to ensure drying & overcoating times are not affected. Unlimited overcoat time even after exposure to elevated temperatures.

Additional information

Safety precautions
This product is for use only by professional applicators in accordance with information in this Technical Data Sheet (TDS) and the applicable Material Safety Data Sheet (MSDS). Refer to the product MSDS before using this material. All usage of this product must be kept in compliance with local, health, safety & environmental conditions & regulations.

Storage & shelf life
Material should be stored in a dry, shaded environment away from heat & ignition sources. Do not allow material to freeze. Shelf life is minimum 12 months at 23°C.