
Product description

SIRAMIGUARD ACRYSEAL water based concrete sealer for floors, walls, and other concrete areas which require sealing with a polymer coating. UV stable and highly durable to foot and automotive traffic. Can be painted over with emulsion paints. Solvent free low odor formulation. Easily applied by spray, brush & roller with fast drying properties. Can be applied down to 5°C.

Intended applications

Suitable for concrete / cementitious substrates. Can be used over paintable joint sealants and expanded foams. The polymer coating can withstand crack bridging up to 3mm.

Technical information

Product chemistry

A waterbased polymeric sealant

Colour

Clear

Specific gravity

Approx. 1.05 g/ml

Theoretical spreading rate

5.3 m²/l at 100µm DFT

Typical film thickness

50µm DFT per coat

Volume solids

50% ± 2%

VOC

Free

Temperature resistance

-20 to 180°C

Application methods

Airless, brush and roller

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
Cementitious	Apply directly to substrate
Brick, Minerals, Tiles	Apply directly to substrate

Substrate temperature & conditions

Substrate temperature should remain between 5 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 ACRYSEAL in a 1 or 2 coat application for sealing of concrete substrates.

Ambient spray (10 to 50°C) application:

- SIRAMIGUARD ACRYSEAL: 50µm DFT
- SIRAMIGUARD ACRYSEAL: 50µm 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 ACRYSEAL is a single component product. The material should always be mixed using a mechanical agitation in slow speed using a plastic paddle.

Reactivity

SIRAMIGUARD ACRYSEAL 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
50	10.0 m ² /l

Film thickness information

DFT/WFT	Minimum (µm)	Maximum (µm)
Dry film thickness	50	100
Wet film thickness	100	200

Drying & recoating information

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

Important

The information of the product displayed herein is to the best knowledge of Performance Polymers. All testing has been under strict laboratory conditions which Performance Polymers believes to be reliable; therefore, onsite performance can vary with application in different conditions. Additionally, Performance Polymers has no control of external factors e.g. substrate quality of preparation or any other factors which can hinder affect the performance of this product. The information in this TDS is not to be extensive; any use without confirmation from Performance Polymers is doing so at their own risk. Any deviation of performance on site isn't liable to Performance Polymers. The performance of this product carries no warranty. The documentation of this product should be thoroughly read before use.