



DESCRIPTION

Premium quality 100% Acrylic waterproof, high build, flexible, self-washable coating for sealing vertical surfaces. When applied according to the instructions, it creates a durable waterproof film that is flexible enough to bridge minor surface cracks as they develop keeping the surface waterproofed, withstanding the climatic changes without peeling. It is applied on properly prepared surfaces of concrete, plaster, bricks, etc. The strength of the elastomeric film depends on achieving the required thickness. DR 1901 Wonder-Shield is a certified cool paint, featuring high solar reflectance value (SR) high infrared emittance (ε) and high reflectance index value (SRI).

PERFORMANCE GUIDE

Weather Resistance	Excellent resistance to weather.
Environmental Resistance	Good resistance to concrete carbonation
Heat Resistance	Suitable resistance to usual exposed surface temperatures
Solvent Resistance	Good resistance to white spirits. Sensitive to aromatic hydrocarbons and alcohols.

COOL PAINT EVALUATION

Solar Reflectance (SR):

0,820 (ASTM E 903)

Infrared Emittance (ε):

0,869 (ASTM E 408)

Above measurements are verified by the Centre of Renewable Energy Sources and Saving (C.R.E.S.) Certifying that DR 1901 Wonder-Shield™ Waterproof Acrylic Elastic Paint is in category Cool Paint



Solar Reflectance Index (SRI):

102 (ASTM E 1980)



VOC (Volatile Organic Compounds): EU limit value for this product category A/c type WB: Exterior walls of mineral substrate, 40 g/l (2010). This product contains max 19 g/l VOC.

PERFORMANCE FEATURES

- Certified cool paint.
- Provides a weather and temperature resistant coating.
- Thick, elastic coating bridges minor cracks as they develop.
- Helps waterproof concrete buildings against wind-driven rain.
- Formulated to resist dirt pickup.
- Tintable.



Colors:

White and over 2,200 tinted colors are available from PPG VOICE OF COLOUR™ fandeck.



Toxicity:

Formulated without lead or mercury.



Gloss Level: 5 - 15 at 60° viewing angle



Spreading Rate

7-9 m²/L per coat

Actual coverage may vary depending on substrate and application method

Volume Solids

55%+/- 1%

Wet Film Thickness

125 micrometres

Dry Film Thickness

69 micrometres

Dry Time at 20°C

4 hours to touch - 24 hours to recoat

Resin:

Acrylic Resin

Thinning

Do not thin

For Application By

Brush, Roller, Spray

DIRECTION FOR USE

SURFACE PREPARATION

Surface to be painted must be free of all loose material such as flaking and peeling paint, dust, dirt, concrete salts and heavy chalk. The surface must be clean with all traces of grease, oil, form oils and mildew removed. Remove loose material by scraping and sanding. Sand glossy surfaces to a dull finish. Dry sanding, flame cutting and /or welding of the dry paint film will give rise to dust fumes. Wet sanding/flattening should be used wherever possible. • Ensure good ventilation during application and drying. Use suitable respiratory protective equipment. Fill cracks with an appropriate putty. Prime according to substrate type and apply two coats of DR 1901 WONDER-SHIELD Waterproof Acrylic Elastic Paint, as outlined below.

New Concrete, Masonry and Brick: Prime with one coat of DRP 512 Waterproofing Sealer Solventborne Primer thinned 20% with white spirits or DRP 514 Eco Micronized Stabilizing Waterborne Primer. Apply two coats of DR 1901 Waterproof Acrylic Elastic Paint, let dry overnight and repeat application. Coverage for each coat must be 7 - 9 m² per litre.

Wood Trim: Prime with DRP 510 Multi Purpose Solventborne Primer. Finish with two coats of DR 1901 Waterproof Acrylic Elastic Paint.

Metal Trim: Following label directions, prime ferrous metal with DRP 506 Rust Protect Solventborne Primer, prime galvanized-iron with DRP 516 Eco All Purpose Waterborne Acrylic Primer, and prime aluminum with DRP 506 Rust Protect Solventborne Primer. Finish with two coats of DR 1901 Waterproof Acrylic Elastic Paint.

Previously Painted Surfaces: Spot-prime any unpainted areas with DRP 512 Waterproofing Sealer Solventborne Primer, then apply an overall coat of Stabilising Primer according to label directions. Finish with two coats of DR 1901 Waterproof Acrylic Elastic Paint.

APPLICATION

Stir paint thoroughly before use. Apply by roller, brush, or airless spray. Do not thin. Do not apply at temperatures below 10o C. Drying times are longer under cool/moist conditions. Owing to the necessary film thickness of this product, the coating remains sensitive to rain and moisture condensation longer than conventional emulsion coatings. Do not apply when rain or damp weather is anticipated during the drying time of the combined applications.

CLEAN UP

Clean equipment in warm, soapy water promptly after painting.

PRECAUTIONS HEALTH, SAFETY AND ENVIRONMENTAL PROTECTION

• If medical advice is needed, have product container or label at hand • Keep out of reach of children • Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. • Contains 1,2-benzisothiazol-3(2H)-one and reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. • Do not get in eyes, on skin, or on clothing • Avoid release to the environment • Dispose of contents and container to appropriate waste site or recycled in accordance with local and national regulation • Keep container tightly closed. • Call a POISON CENTER, doctor if you feel unwell. • Safety data sheet available on request.

TEL. POISON CENTER GR: 210 7793777

Packaging and Storage

Sizes: 1 litre, 3 litres, 10 litres

Flash Point: none

Storage: not hazardous, no special requirements

For Advising – Technical Services call: 2106620713-5

