



BERGER PRODUCT SPECIFICATIONS

BERGER ENDURANCE

2-in-1 Heat reflective water-based paint

PRODUCT DESCRIPTION

A High build acrylic exterior emulsion 2 in 1 coating with RIT* and Colourstay technology. It is designed to function as both a sealer and topcoat, reducing traditional three coat system to two coat system. Formulated with heat reflective pigments and reinforced with anti-fungal agents. It has solar reflective property which helps in keeping interior cool and saving energy.

- Excellent adhesion / sealing properties.
- Solar reflective pigments that can deflect heat and reduce surface temperatures by up to 5°C#.
- Good flow and levelling & excellent hiding/opacity.
- Excellent dirt pick-up resistance.
- Highly washable and good resistance to alkalis.
- Compliance to SS579 and SS345.
- Low VOC, environment friendly and complies to SGBC requirement.

DESIGN USE

- As a Sealer and Topcoat finish for exterior masonry substrates/drywall.

*- Reflection and refraction of light, Insulating properties and Thermal emissivity of surface

Heat reflecting is dependent on the colours; light colours give higher reflection compared to darker colour.

PHYSICAL DATA

VOLUME SOLIDS	40%
DRY FILM THICKNESS (DFT)	30-45 µm per coat
WET FILM THICKNESS (WFT)	75 -110 µm per coat
NUMBER OF COATS	2
THEORETICAL COVERAGE	13.3 m ² / litre per coat @ 30 µm dft
FINISH	Low sheen
COLOUR RANGE	Wide range available.
NO. OF COMPONENTS	One
STANDARD PACKING SIZE	20 Litres
VOC CONTENT	<10 gm/L in White

APPLICATION METHOD

Roller	Recommended method of application
Brush	May be used for small areas, inaccessible areas and touch up.

Stir contents of the can thoroughly before use. Thinning is not usually required. However, if thinning is desired, do not exceed the recommended thinning ratio.

DRYING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
25 °C	30 minutes	1 hour	2 hours	Indefinite
35 °C	15 minutes	30 minutes	1 hour	Indefinite

ADDITIONAL INFORMATION

Thinner	Water
Thinning Ratio	Not recommended
Cleaning Solvent	Water
Flash Point	N.A.
Storage Requirements	Store In a cool, dry area away from direct sunlight.



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SURFACE PREPARATION

The service life span and the service performance of this product are directly related to the degree of surface preparation.

- New concrete should be left for at least 21 days to cure before coating.
- The moisture content of the concrete surface should be checked and ensured to be below 16% when measured with a reliable protimeter moisture meter.
- The surface to be coated must be clean and free from all loose extraneous materials such as loose paint, dust etc.
- If fungus or algae is present, first treat with Berger Fungicidal Wash and leave for 24 hours. Then, thoroughly rinse and wash or scrape away all the fungus.
- If grease is present, clean using a mild detergent or solvent and rinse thoroughly to ensure complete removal of the grease, detergent and solvent.
- For overcoating over old coatings, a high-pressure water cleaning should be performed to remove all loose or flaking coatings and ensure the remaining coatings are tightly adherent.

SYSTEM RECOMMENDATION

	Conventional paint system	New paint system
Primer	1 Coat - Waterbase Sealer	1 Coat - Berger Endurance
Topcoat	2 Coats – Weathercoat 345	1 Coat – Berger Endurance

SAFETY PRECAUTIONS

Avoid contact with eyes and skin. Wear suitable protective clothing.

Ensure that there is adequate ventilation in the area where the product is being applied.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

FIRST AID

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.