



TECHNICAL DATA SHEET

SHIELDCOAT THERMOBOND HRC

DESCRIPTION: THERMOBOND HRC is an Ultra Premium water based 100% acrylic high build, high solids, highly reflective roof coating. THERMOBOND HRC does not allow the passage of heat from the sun to reach the substrate thus significantly reducing interior temperatures.

It is ideally suited to withstand the harsh weather conditions typically experienced in the southern hemisphere. THERMOBOND HRC will coat and protect all roof substrates from the extreme heat and storms of a northern summer, to the freezing cold of a southern winter. THERMOBOND HRC will beautify and protect your most valuable asset for many years to come.

THERMOBOND HRC has been engineered to significantly reduce the accumulation of dirt and protect from the chemical attack associated with pollution.

RECOMMENDED USE: Formulated and tested to ensure outstanding opacity and durability for all types of roofs including cement tiles, metal (including COLORBOND®) and asbestos roofs.

APPLICATION PROCESS: Surface must be clean, sound and dry before proceeding! Shieldcoat recommended surface preparation is crucial and is the responsibility of the Builder /Contractor/Applicator. Weather conditions must be considered and deemed suitable before proceeding. High humidity will affect drying and recoat times.

TILE ROOF SURFACES

INSPECTION: Ensure the whole area is examined thoroughly and checked for loose or missing bedding, damaged tiles and fungal and algae growth. **REPAIR OR REPLACE:** Faulty tiles and defective valley irons are replaced. **CLEAN:** Apply MOULDSHIELD 'C' as per instructions. The surface must be thoroughly cleaned using a high pressure cleaner at a minimum 3000psi. **REBED:** Where necessary, ridge capping is re-bedded and broken tiles are replaced. **REPOINT:** All ridge capping is repointed using ROOFBOND Flexible Pointing. **STERILISE:** Apply MOULD-SHIELD K as per instructions to protect against algal and fungal growth. **SURFACE PRIMED:** To ensure maximum adhesion the roof area needs to be thoroughly coated with SHIELDSEAL CT401 sealer/primer/filler.

FINISH COATS: Apply two coats of SHIELDCOAT THERMOBOND HRC as per instructions below.

Optional: Apply one coat of SHIELDCOAT NANOPROTECT SC-96 (see NanoProtect SC-96 brochure for the many advantages of using this revolutionary protective top coat including an extended Warranty which encompasses fade and gloss loss).



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METAL ROOF SURFACES

CLEAN: Apply MOULDSHIELD 'C' as per instructions. The surface must be thoroughly cleaned using a high pressure cleaner at a minimum 3000psi. Ensure flaking paint is removed to provide a sound, clean surface. **SURFACE PRIMED:** To ensure maximum adhesion the roof area needs to be thoroughly coated with **SHIELDSEAL W PLUS** primer/sealer. If surface rust is present or is in an area where it is likely to rust use RUSTSHIELD W instead.

FINISH COATS: Apply two coats of SHIELD COAT THERMOBOND HRC as per instructions below.

Optional: Apply two coats of SHIELD COAT THERMOBOND HRC as per instructions below.

ASBESTOS ROOFS (in sound condition)

Please download and read the ASBESTOS RENOVATION GUIDE available on the following

<http://www.deir.qld.gov.au/asbestos/resources/pdfs/asbestos-home-renovators-trades-guide.pdf>

The following is a guide only! You must seek local government advice and regulations in regard to renovating asbestos in your area. Your local government regulations supersedes this document.

SURFACE TREATED: Apply one heavy drenching coat of MOULDSHIELD K and allow 24 hours to dry. **SURFACE PRIMED:** Apply one coat of SHIELDSEAL W PLUS by airless spray at a spread rate of 5m² / Litre using a 521 tip.

FILLER COAT: Apply one coat of ROOFBOND FILLABOND by airless spray at a spread rate of 4 m² / Litre using a 521 tip size.

Finish Coats: Apply two coats of SHIELD COAT THERMOBOND HRC as per instructions below.

APPLICATION DETAILS / GUIDE

Colours: White and pastel colours

Finish: High Gloss

Sizes: 4, 15 Ltr

Volume solids: 60%

Theoretical spreading rate: Tile Roof 5m²/Litre Metal Roof 6m²/Litre

Application surface temperature: 10°C TO 40°C

Touch dry: 30 minutes*

Recoat Time: 3 hours*

Full Cure: 10-14 days*

Drinking Water Safe: After 10 day curing and initial rinse (rain or garden hose pressure).

Shelf life: 24 months

*All figures are quoted at 25° Celsius and 50% Relative Humidity.



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Shieldcoat recommended surface preparation is critical and is the responsibility of the Builder/- Contractor/Applicator. Weather conditions must be considered and deemed suitable before proceeding. High humidity will affect drying and recoat times.

Application method: Airless spray / Brush / Roller

Thinner: Not recommended (use Shieldcoat Hot Weather Additive sparingly)

Airless Tip Size: 521

Cleaning of tools: Water

Indicated film thickness, wet: 180 microns (WFT)

Indicated film thickness, dry: 110 microns (DFT)

Coats Required: 2 (Minimum)

HEALTH AND SAFETY

Contact Poisons Information Center on Phone: 13 11 26 or a doctor.

Ingestion: Do not induce vomiting. Give water to drink. Seek medical assistance.

Eye Contact: Flush eyes using eye baths until irritation subsides. Seek medical assistance.

Inhalation: Remove to fresh air. Seek medical assistance

Skin Contact: Wash thoroughly with soap and water. Launder clothing before reuse. Seek medical assistance if irritations persist.

Medical attention: Treat symptomatically.

First Aid Facilities: Eye Baths, safety showers.

RECOMMENDATIONS AND PRECAUTIONS

Ensure that appropriate workplace health and safety methods and PPE are used when working with this product.

Ensure adequate ventilation when using this product.

When drinking water collection systems are in place, Shieldcoat recommends disconnecting the system prior commencing work, then allowing 10 days curing and a thorough fresh water rinse (rain or garden hose pressure) before reconnecting the system.

Ensure that this product is applied in full accordance with Shieldcoat recommendations.

Care and Maintenance: Protect the coating from abrasive contact for 10 days. Wash down periodically with a mild detergent solution to refresh and preserve the coating.

MSDS: Available on request or download from the Shieldcoat website. www.shieldcoat.com.au

DISCLAIMER: Shieldcoat advises that the applicator of this product is responsible to determine and verify its suitability for the intended use prior to application. The data and recommendations contained within this document were true and accurate at the time of writing.