

# Dulux Weathershield® Heat Reflect™

## TSR DATA Sheet

### Reflects heat to keep your home cooler

Dulux Weathershield Heat Reflect uses infrared reflective pigments to reflect radiant heat from the exterior surface before it can be absorbed and transferred inside.

This Dulux Weathershield Heat Reflect TSR datasheet illustrates the TSR performance of Dulux Weathershield Heat Reflect versus a \*Standard Exterior paint which is tinted in the same colour, it clearly shows an improvement in the solar reflectance performance of Dulux Weathershield Heat Reflect.

### What is Total Solar Reflectance (TSR)?

The TSR is the percentage measure of the amount of solar energy reflected from a given surface.

The total solar reflectance figures in this report are obtained through testing in accordance with ASTM E-903. The measurements are expressed as a TSR%. The TSR % is the ratio of the total solar energy which is reflected outward by the coating system, compared to the total amount of solar energy falling on the coating system.

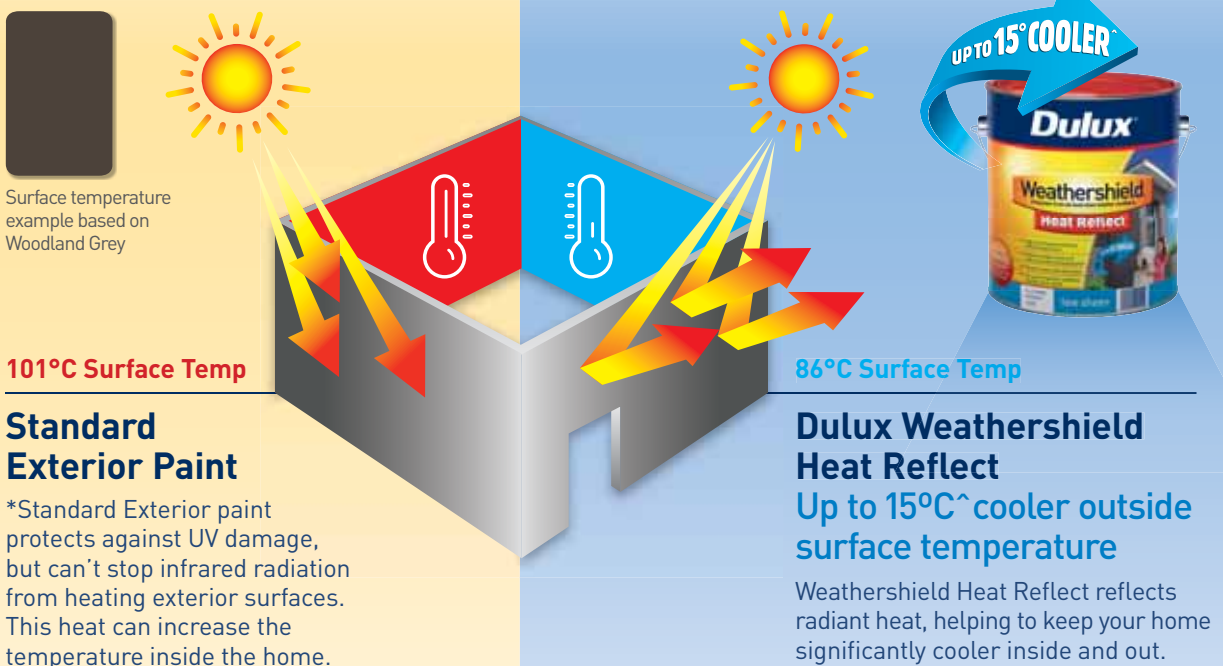
The higher the TSR, the greater the reflection and therefore the less heat that is absorbed by the surface.

Each Dulux Weathershield Heat Reflect colour has a higher TSR than \*Standard Exterior paint, which means they reflect more solar energy. The benefit to you is that the level of heat absorbed by the surface will be reduced, which may assist you to reduce your need for power hungry cooling devices and therefore save on energy costs.

### How does TSR effect surface temperature

The difference in % of the two TSR figures gives an indication as to how surface temperature is affected by solar radiation, however the actual surface temperature of a coating can vary greatly when influenced by weather conditions such as cloud cover and wind.

Colour specific test reports providing full TSR data and translated surface temperature benefits are available on [www.dulux.com.au/specifier/heatreflect](http://www.dulux.com.au/specifier/heatreflect)



^Surface temperature reduction varies depending on the colour chosen, the substrate and weather conditions. Maximum temperature reduction is achieved when the appropriate primer is used as a first coat. Data represents estimates based on ASTM E 1980 methodology and principles as published by US EPA in low wind conditions.

Worth doing, worth Dulux®

# Dulux Weathershield Heat Reflect TSR DATA

Colour	Heat Reflect™ TSR	*Standard Exterior paint TSR	% performance increase
Silhouette Dusk HRL	76.00	66.60	↑14%
Natural Hemp HRL	76.50	67.60	↑13%
Southern Alps HRL	76.90	67.60	↑14%
Limestone Canal HRL	76.30	67.30	↑13%
Buffed Quartz HRL	75.20	65.60	↑15%
Smooth Stone HRL	63.90	46.20	↑38%
Natural Bamboo HRM	61.90	45.90	↑35%
Second Chance HRM	60.60	46.20	↑31%
Sicilian Tan HRM	53.30	33.40	↑60%
Woody Outcrop HRD	33.20	11.60	↑186%
Horizon Dawn HRL	65.80	46.40	↑42%
Taupe Rhapsody HRL	60.00	37.00	↑62%
Alfresco Haven HRD	36.40	14.70	↑148%
Brushed Spur HRD	35.40	14.00	↑153%
Unearthed HRD	32.50	10.90	↑198%
Ashen Grove HRD	35.00	13.50	↑159%
Wild Shelter HRD	32.00	10.30	↑211%
Barnard Reserve HRNB	31.40	9.30	↑238%
Walnut Surround HRNB	27.70	6.00	↑362%
Near Black HRNB	26.50	5.10	↑420%
Beyond Eden HRM	55.30	32.90	↑68%
Nature's Path HRD	36.10	14.80	↑144%
Natural Aloe HRD	35.10	13.80	↑154%
Amazon Canopy HRNB	31.30	10.40	↑201%
Sherwood Calm HRNB	28.80	7.90	↑265%
Moonlight Shadow HRL	63.50	39.00	↑63%

Colour	Heat Reflect™ TSR	*Standard Exterior paint TSR	% performance increase
Subtle Grey HRL	58.40	31.70	↑84%
Looming Storm HRD	35.10	13.00	↑170%
Slate Facade HRD	32.20	10.10	↑219%
Raw Granite HRD	32.20	10.20	↑216%
Fairy Falls HRD	34.30	12.20	↑181%
Cool Reflections HRD	33.40	22.40	↑49%
Ocean Ridge HRNB	29.90	9.00	↑232%
Blue Reef HRNB	25.20	7.00	↑260%
Cobalt Ranges HRD	30.80	10.10	↑205%
Icy Edge HRM	67.60	50.50	↑34%
Embark HRNB	28.50	6.60	↑332%
Slender Hollow HRNB	22.90	5.20	↑340%
Nocturnal Life HRNB	26.30	5.40	↑387%
Ebony Rock HRNB	18.20	5.00	↑264%

## Colorbond® colours

Classic Cream HRL	73.40	65.80	↑12%
Surfmist HRL	74.70	62.70	↑19%
Dune HRM	57.60	24.70	↑133%
Deep Ocean HRNB	28.00	8.70	↑222%
Paperbark HRM	62.90	46.50	↑35%
Evening Haze HRM	61.50	42.20	↑46%
Jasper HRD	34.40	13.10	↑163%
Ironstone HRNB	30.10	8.80	↑242%
Loft HRNB	29.00	7.90	↑267%
Woodland Grey HRNB	31.20	9.70	↑222%
Monument HRNB	28.80	7.00	↑311%

Colours depicted are representations only.  
For accurate colour refer to the Dulux Heat Reflect Colour card.

Remember... **ONLY Dulux** paint is formulated for tinting to the exact Dulux colours you select

**dulux.com.au Dulux Customer Service → 13 23 77**

Dulux Australia 1956 Dandenong Rd Clayton Victoria 3168 Australia

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TSR Reflectance is tested in accordance with ATM E-903.

\*Standard paint is one that does not use infrared pigments to reflect radiant heat.



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