acryloc
building products

Total Solar Reflectance Data - Comparison of Acryloc's Standard Paint and Heat Reflecting Paint

Colour	Measured Total Solar Reflectance (CRC) Std Paint	(Supacool) HR Paint	HR Paint TSR Increase	Estimated Surface Temp Reduction*	Solar Reflectance Index to ASTM-E1980 Acryloc® Heat Reflecting Membrane Low Wind	Med Wind	High Wind	BASIX Classification
Arctic White	86.9	87.3	0.4	0.3°C	109.7	109.7	109.8	Light
Basalt	12.1	28.4	16.3	11.0°C	30.0	30.3	30.7	Dark
Bill Brown	11.8	29.7	17.9	12.1°C	31.6	32.0	32.4	Dark
Blue Ridge®	15.7	23.2	7.5	5.1°C	23.3	23.7	24.0	Dark
Brunswick Green	8.9	22.6	13.7	9.2°C	22.5	22.9	23.3	Dark
Bushland®	20.5	41.7	21.2	14.7°C	47.4	47.7	47.9	Medium
Charcoal	6.1	22.0	15.9	10.7°C	21.7	22.1	22.5	Dark
Classic Cream™	63.4	72.5	9.1	6.8°C	89.0	89.1	89.3	Light
Cottage Green®	15.4	22.2	6.8	4.6°C	22.0	22.4	22.8	Dark
Cove	24.7	40.8	16.1	11.2°C	46.2	46.5	46.8	Medium
Deep Ocean®	14.9	20.5	5.6	3.7°C	19.8	20.2	20.6	Dark
Dune®	33.7	56.5	22.8	16.3°C	67.1	67.4	67.6	Light
Ebony	4.6	22.7	18.1	12.1°C	22.6	23.0	23.4	Dark
Evening Haze®	47.1	59.9	12.8	9.3°C	71.8	72.0	72.2	Light
Gully™	17.5	34.0	16.5	11.3°C	37.2	37.6	37.9	Medium
Headland®	30.4	38.1	7.7	5.4°C	42.6	42.9	43.2	Medium
Ironstone®	9.0	28.4	19.4	13.1°C	30.0	30.3	30.7	Dark
Jasper®	14.2	37.1	22.9	15.7°C	41.3	41.6	41.9	Medium
Loft®	9.2	25.1	15.9	10.7°C	25.7	26.1	26.4	Dark
Manor Red®	21.5	29.0	7.5	5.2°C	30.7	31.1	31.5	Dark
Mangrove®	15.1	30.0	14.9	10.1°C	32.0	32.4	32.7	Dark
Mid Grey	12.1	27.8	15.7	10.6°C	29.2	29.6	29.9	Dark
Monument™	6.9	25.8	18.9	12.6°C	26.6	27.0	27.3	Dark
Morocco	34.4	35.5	1.1	0.8°C	39.2	39.5	39.9	Medium
Pale Eucalypt®	21.4	41.2	19.8	13.8°C	46.7	47.0	47.3	Medium
Pale Terracotta	41.7	56.4	14.7	10.6°C	67.0	67.2	67.4	Light
Paperbark®	47.9	60.5	12.6	9.1°C	72.5	72.8	72.9	Light
Plantation®	12.2	27.1	14.9	10.0°C	28.3	28.7	29.0	Dark
Sandbank®	40.1	55.0	14.9	10.7°C	65.1	65.3	65.6	Light
Shale Grey™	43.3	55.7	12.4	8.9°C	66.0	66.3	66.5	Light
Sienna Clay	38.3	43.0	4.7	3.4°C	49.1	49.4	49.7	Medium
Stone	13.8	30.9	17.1	11.7°C	33.2	33.6	33.9	Medium
Surfmist®	57.9	74.0	16.1	12.0°C	91.1	91.2	91.3	Light
Terrain®	11.7	26.6	14.9	10.1°C	27.6	28.0	28.4	Dark
Wheat	44.3	53.2	8.9	6.4°C	62.7	62.9	63.2	Light
Wilderness®	18.2	33.6	15.4	10.5°C	36.7	37.1	37.4	Medium
Windspray®	22.1	40.8	18.7	13.0°C	46.2	46.5	46.8	Medium
Woodland Grey®	10.5	27.9	17.4	11.8°C	29.3	29.7	30.0	Dark

Colours produced in Reflectacoat® Tint Pacs for use in Paint ranges Thermablock™, Supa Block® and Supa Cool®

* Estimated Surface Temperature Reduction based on measured Total Solar Reflectance and calculations for Low Wind conditions to ASTM-E1980-01, "Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces"

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BASIX -NSW Govt Building Sustainability Index
Light TSR =>52.5
Medium 30<TSR<52.5
Dark TSR <=30

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