

Coating Specification & Properties	Nutech Paint NXT® Cool Zone®	Competition Roof Paint
Application	Exterior/Roofs	Roofs
Dry Time @25°C & 50 RH	30 to 60 minutes	30 to 60 minutes
Minimum Film Formation Temperature	3°C	10°C +
Re-Coat	2 hours +	2 hours +
Wet Film Thickness - 2 coats	500 microns	400 microns +
Dry Film Thickness - 2 coats	200 microns	140 microns +
Dirt Pick Up Resistance	Excellent	Poor to Good
Waterproof	100%	Possible
Flammable	No	No
VOC - Volatile Organic Compounds	Extremely Low	High
Environmentally Friendly	Yes	Possible
Repaint	12-15 years	5-10 years
Estimated Investment per year per sq.m.	34 cents	\$2.84
Saves You Money \$\$\$	Yes	No
Cross Linking technology	Yes	No
Enhanced	Yes	No
Nano-Technology	Yes	No
Heat Reflective Pigments	Yes	No
High Emmissivity	Yes	Some
Reduce Urban Heat Island	Yes	No
Lower cooling costs	Yes	Yes
Socially Responsible	Yes	No
Reduces Summer Building Temperature	Yes	No
Unlimited Colour Range	Yes	No
Advanced Defoamer and Biocide Package	Yes	No
Pigment Acid & Temperature Resistance	High	Low
Satisfies Council Urban Design Requiements	Yes	Possibly
Contributes to 5 Star House Energy Rating	Yes	No
12 Year Manufacturers Warranty	Yes	No

Thermal Properties

Infrared Reflectance	30-91
Thermal Emmittance	88-94
Total Solar Reflectance	>25% to 91% * **

* US EPA Energy Star threshold for Steep Slopes(>10 Degrees) = 25%

** Subject to colour - dark colours lower, white highest

Physical Properties

Water Resistance	ASTM D 358	Passes
Alkali Resistance	ASTM D 3273/3274	Passes
Scrubability	ASTM D 2486	Passes
Flexibility	ASTM D 522	Passes
Cracking	ASTM D 661	Passes
Blistering	ASTM D 714	Passes
Water vapour Transmission	ASTM E 96	15 Perms
Accelerated Weathering	ASTM G 90-98	Passes