

Nutech TileFlex 2000[®]



Fact Sheet

The Next Generation in Roof Coating Technology !

TileFlex 2000₁ is no ordinary paint. This revolutionary coating combines advanced technology developed exclusively by Nutech Paint over more than 38 years with the special properties of Nano Technology^{®2} to deliver superior performance.

Nutech Paint spent many years developing TileFlex 2000[®] roof coating which will stay cleaner and retain gloss longer than any conventional acrylic roof coating.

Independent Australian CSIRO₃ (Commonwealth Scientific and Industrial Research Organisation) testing has conclusively shown that the surface friction of TileFlex 2000 is substantially reduced by the unique properties of Nano Technology[®]. Special polymers used in the manufacture of TileFlex 2000 and a low level of surface friction enables the coating to repel moisture, dirt and contamination. This will greatly improve the appearance and function of your roof.

Further testing has shown that TileFlex 2000 has superior gloss, early water resistance and film drying speed compared to other acrylic coatings enhancing appearance and application properties.

TileFlex 2000 provides significantly more gloss on application and will maintain an attractive new looking roof appearance better than any other acrylic roof coating.

To reduce the damaging effects of the worlds harsh environment, Nutech has used the latest technology to impregnate TileFlex 2000 with Nano Technology[®]. This innovation guarantees that TileFlex 2000 sets new standards in roof coating performance, maximizing the durability and total waterproof protection.

Technical Information

Classification	Non flammable
Tinting	38 standard & custom colours available
Gloss Level	Standard full gloss, Matt Sheen available.
Thinning	Not recommended (water clean up)
Shelf Life	12 months
Minimum Film Forming Temperature	50°F
Drying Time @ 75°F	Touch dry: 20 minutes
Recoat Time	1 hour @ 75°F – new pointing must be cured
Application Temperature	50°F – 86°F
Total Solids	>40%
Film Thickness (two coats)	20 Mil (wet film) - 8 Mil (dry film)
Gloss Level	High gloss
Application	Brush, roller, airless spray gun (spray tip 523)
Containers	5 Gallons
Recommended Application Rate	2 coats @ 160 square feet per Gallon litre per coat

Recommended surfaces

Suitably primed surfaces including cement roof tiles, concrete roofs, timber shingles and shakes, bitumen and asphalt shingles shakes and sheeting, metal tiles and sheet, galvanized zincalume and aluminium metal sheet, coloured metal sheet, composite tiles, asbestos tiles and sheeting.

¹ TileFlex 2000 is a Registered Trademark of Nutech Paint LLC

³ CSIRO Report DBCE Doc 96/168(M) available for inspection at Nutech Paint Pty Ltd



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Protect Your Roof with TileFlex 2000®

There are two important reasons why you should restore your roof. Firstly, the appearance of your home is greatly improved with a clean glossy coloured roof. Secondly, and more importantly, a durable coating protects your roof from the effects of ageing.

All exterior surfaces and coatings undergo an ageing process caused by moisture, UV light radiation, temperature extremes, dirt, pollution, moss, lichen and bacteria. This ageing can result in gloss reduction, chalking, discolouration, blistering, flaking, loss of adhesion, and unsightly moss and lichen build up resulting in general coating failure.

The key to the success of TileFlex 2000 is its amazing ability to resist the causes of ageing better than any other acrylic roof coating. To repel dirt pick up and contamination, TileFlex 2000 develops a non-tacky micro surface enhanced with NanoTechnology®. This microfilm does not discolour and does not affect recoating adhesion.

TileFlex 2000 contains highly effective polymer preservatives which provide long lasting broad spectrum, algacide and fungicide protection to prevent polymer discolouration and deterioration and moss and lichen growth. Unlike many other roof coatings, TileFlex 2000 is also user friendly because it does not contain environmentally harmful formaldehyde preservatives. TileFlex 2000 is suitable for the collection of drinking water.

TileFlex 2000 is ultra low VOC (Volatile Organic Compounds) and low odour to comply with all US and California clean air legislation.

TileFlex 2000 contains UV resistant non-fading pigments and tough flexible 100% acrylic polymers which will transform any roof into an attractive and functional surface. TileFlex 2000 is guaranteed not to peel, fade or crack subject to correct surface preparation and application.

With TileFlex 2000 you can be confident that you will obtain "a perfect finish" every time.

Important Application and Usage Warnings

Do not apply TileFlex 2000 in very low temperatures to avoid coating adhesion problems. Coating in very hot conditions may reduce gloss appearance.

Do not overcoat primers or sealers until completely dry. Applying multiple coats of sealer/primer and TileFlex 2000 on the same day may result in coating damage in cool wet weather.

Ensure good drainage from all roof surfaces before applying TileFlex 2000. Do not apply on surfaces that pond water. If unsure, test with a hose and observe to ensure water is not ponding in any area.

Refer to Nutech Material Safety Data Sheet for additional safety and user information before using or opening the container.

Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.



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