

Talrak® Flexeal TR

Elastic, topically applied single part coating for controlling thermal absorption by sun-exposed substrates



The Construction Alchemists

Description

Talrak® Flexeal TR is a heat management coating which works on the principle of reflecting and dissipating heat, stopping it from entering the surface of incidence, itself. This results in net cooling effect and lowering the temperature inside the structure. It also offers excellent adhesion and low- sheen finish that is resistance to mildew and algae. The coating helps to bridge minor surface imperfections while protecting against driving rains preventing moisture absorption. The coating has practically no weight and therefore can be applied for any surfaces including lightweight roofs or thin sheet panels. Thus this highly surface engineered coating reduces the heat more effectively than normal conventional coatings. Talrak® Flexeal TR actively works to keep the interior of the building cooler than exterior, thus making the building more energy efficient.

Features & Benefits

- Prevents heating during summer and cooling during winter
- Excellent for sun exposed structures
- Resistance to rain and mild dew
- Non toxic / environmentally friendly
- Minimum dirt pickup
- Excellent durability, flexibility and UV resistant
- Waterproofs/weatherproofs
- Reduces heating / cooling cost

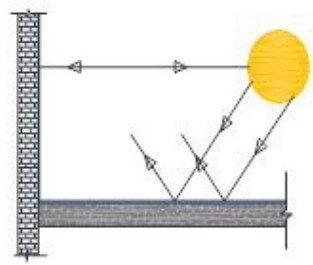
Primary Application

Talrak® Flexeal TR is an excellent thermal control coating ideally suitable for residential, industrial and commercial buildings. It is useful for poultries and hatcheries. It is also suitable for gas storage tanks and cryogenic tank interiors.

Technical Properties

Color	White
Density	1.20 g/cc
Consistency	Brushable /Rollable / Sprayable
Touch dry	After 60 mins. @ 27°C
Over coating	After 5 - 6 hours
Air curing	3 days @ 30°C
Water resistance	Good
Alkali resistance	Passes
Elongation at break	Upto 150%
Dirt pick-up resistance	Excellent
Service Temperature Range	-30°C to +90°C

Surface temp. reduction of building facing sun	+10°C to +12°C
Flexibility	Permanent flexibility, no migration or leaching out of any ingredient on exterior exposure for a longer period.
Ultra violet and weather resistance	No ageing / withstands up to 2500 UV hours (i.e about 8 years).



Thermal protection - reduces temperature upto 12°C

Specification Clause

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Application Instructions

Surface Preparation

Surface preparation is very important to get the best results and to avoid failure. The substrate must be sound enough, clean and free of dirt, grease, oil, sludge, moss, blistered cement coating, loose plaster etc. Thoroughly wire brush the surface to remove saturated dirt and loose particles. Wash the surface to remove dust. Earlier coatings if any, shall be completely removed.

Application

Add 4 liters of clean water to 20 liters bucket of Talrak® Flexeal TR and mix thoroughly to obtain a homogeneous brushable / rollable consistency material. In case of excessive heat in the substrate, mixing with 5 liters of water is advised (only for the first coat). Apply the first coat of Talrak® Flexeal TR by brush or roller and allow it to dry for at least 5 to 6 hours before applying the second coat.

Apply second coat of Talrak® Flexeal TR to ensure a minimum of 125 - 150 microns WFT is achieved. Allow the coating to dry / air cure on its own. No additional curing is required.

The fresh coating is water soluble and must be protected from rain until it has completely dried.

Estimating Packaging

Talrak® Flexeal TR is supplied in 20 liter bucket.

Coverage

Talrak® Flexeal TR will approximately cover 4.6 sqm per liter at 125 - 150 microns WFT.

However, practical coverage may vary depending on substrate condition and application method.

Storage

Talrak® Flexeal TR has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety Instructions

Contact with the skin should be avoided as certain sensitive skins may be affected. In such cases if contact occurs, the skin should be washed immediately. Gloves and barrier creams should be used when handling these products. Eye contamination must be immediately washed with plenty of water and medical treatment sought.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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Important note :

Talrak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Talrak endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

Ref : TCC/TDS/PC10 - R4