

PROJECT PROFILE: 120K Tanah Merah Besar Lane

Overview

A semi-detached residential property situated along Tanah Merah Besar Lane in the eastern part of Singapore, used the Tremco **AlphaGuard BIO** system for the waterproofing of its roof.

While protecting the ceiling below from water ingress was the client's main concern, it was equally important that the new roof helped to regulate heat in the home.

After applying a fully compatible primer, the **AlphaGuard BIO base coat**, a two-part, bio-based, polyurethane roof coating, was applied on it and reinforced with a fiberglass mat.

Subsequently, the **AlphaGuard BIO top coat** was roller-applied over it. Its two-component technology has a catalysed curing process which results in faster dry times, a seamless, more uniform finished film, and negates the possibility of blistering, gassing, and pinholing.

Additionally, this 100% solids, highly reflective, UV resistant product can significantly lower rooftop temperatures and reduce the *Heat Island Effect*. This creates cooler and more comfortable interiors and can also lead to long-term greater energy savings for the homeowner.

Completion Date	Jul 2022
Project Type	Residential
Project Size	185 m ²
Product(s) Used	AlphaGuard BIO Base Coat AlphaGuard BIO Top Coat
Country	Singapore



Highly reflective white top coat lowers rooftop temperatures.



Low VOC and low odour.



Eco-friendly; formulated with 60-70% renewable bio-content.



Seamless design reduces roof leaks.