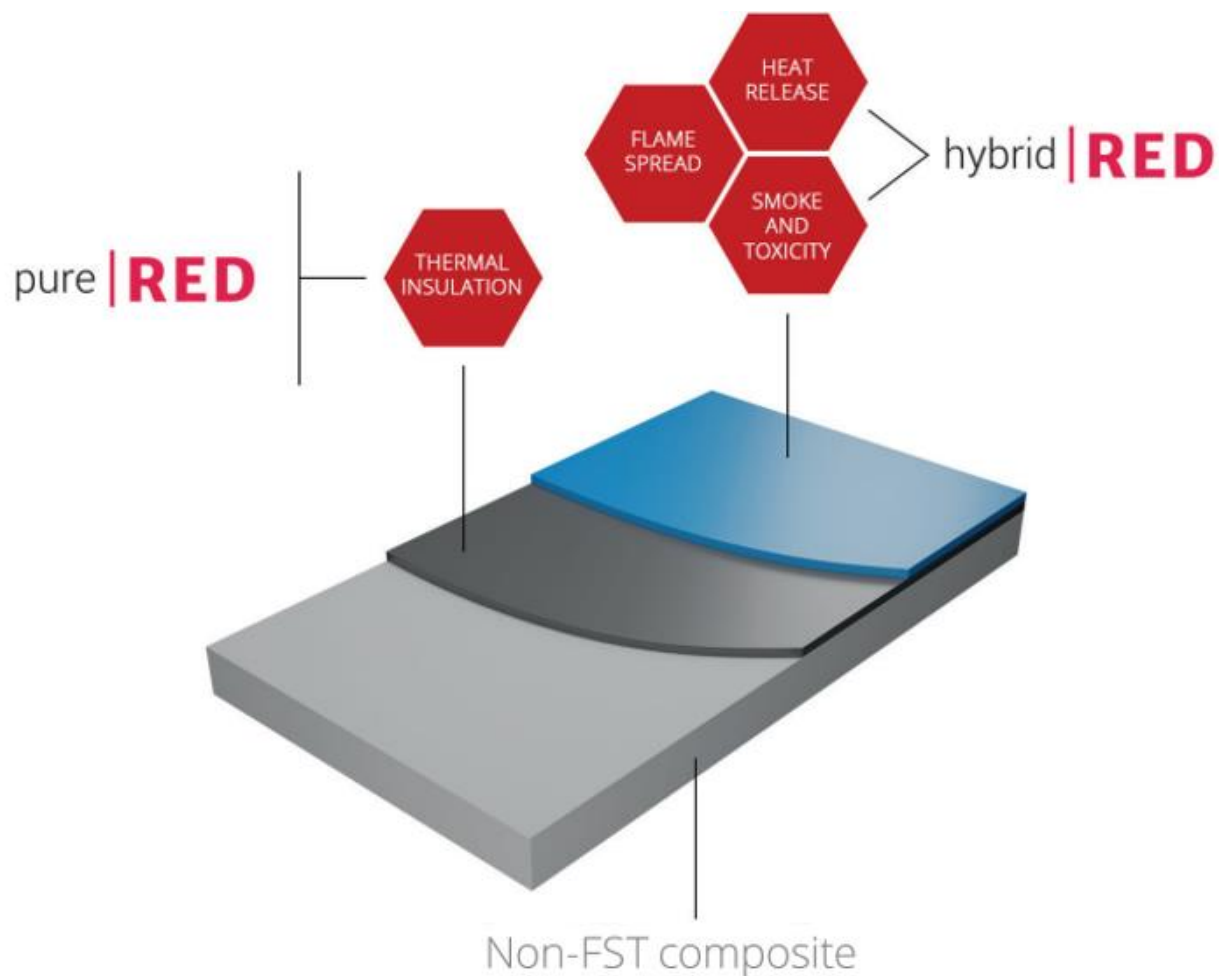


# pure | RED

## General information

PureRED Ti (Thermal Insulation) is unsaturated polyester based **intumescent gel coat** designed for composites. It minimizes the heat transfer to the composite substrate.

It is designed to be used as a base gel coat that needs to be top coated with HybridRED 200 - series after demoulding.



## Key properties

- ✓ designed for maximum thermal insulation
- ✓ low smoke generation during fire
- ✓ very low heat transfer and release
- ✓ halogen-free

The information contained in this publication is, to be best of our knowledge, true and accurate, but without any recommendations or guarantee, since the conditions of use are beyond our control. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer



## Typical properties

- ✓ black
- ✓ styrene based, MEKP catalyzed system
- ✓ wide application window
- ✓ can be applied with brush, roller or spray

## Applications

- ✓ various composite parts in infrastructure, marine, railway and transport industry where both fire and thermal protection is required
- ✓ not intended to use as a final surface – needs finishing with **hybridRED 200-series**

## Usage

The working temperature should be 15 – 25°C and relative humidity should not exceed 80 %. All mould surfaces must be clean, dry and properly prepared prior to application.

*If the product is supplied non-accelerated (for stability reasons), add 3% PureACC and mix well.*

**PureACC reacts vigorously with peroxides! Explosion hazard! Do not allow direct contact with MEKP!**

Add 2% MEKP and mix well.

After mixing it is ready to use but viscosity can be adjusted with styrene if required. Working time is 60 minutes depending on the ambient temperature. Clean tools with acetone or equivalent.

Application with high pressure spray gun

nozzle size: 429                      pressure: 120 – 140 bar                      wet film thickness: 800 µm

Layers are applied directly on the mould wet-on-wet by 4-5 passes (0/90°).

Can also be applied with brush or roller.

Although PureRED Ti cures very well at room temperature, post-curing at elevated temperature (60°C, 8 – 10 hours) is always recommended before top coating to reach the best overall properties. Moreover, the surface needs to be prepared by sanding (240), de-dusting and cleaning before applying HybridRED topcoat.

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## Storage & Handling

Store indoors in a cool and dry place avoiding direct sunlight in the original tightly closed pails and drums. Opening the container reduces the storage time significantly. Therefore, it is recommended to use the product as soon as the container has been opened. Handle in a well-ventilated area. Detailed safety information is contained in a material data safety sheet. Typical shelf life is minimum 12 months.

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