

Technical Data Sheet

CoolTrack™

Product code: SPC 32309-A

Definition

CoolTrack™ is a water-based coating designed for thermal protection of railway tracks.

Composition

CoolTrack™ is a solvent free, water dilutable coating for exterior use, based on the **SeraBlock** technology, which incorporates special raw-materials with extreme porosity, in combination with an acrylate hybrid binder system.

CoolTrack™ can above all be characterised through the following features and benefits:

- Remarkable thermal insulation
- Very good adhesion on a wide range of substrates and in particular on steel
- Primer – topcoat in one product
- Rapid drying
- Good corrosion resistance
- The coating application offers very good flexibility
- Satin, smooth surface minimises absorption of dust and dirt and permits easy cleaning with water.
- Long durability (>3 years).
- Easy application with airless spraying gun
- Solvent free (< 10 g/L VOC)
- Environmental product in tune with nature and health

Use

CoolTrack™, which is based on the **SeraBlock** technology exclusively developed by SeraPlus, offers remarkable thermal insulation through a combination of IR absorption and UV reflection. Special raw materials, characterized through their extremely large internal surface, constitute the backbone of this technology. **CoolTrack™** has been especially designed for thermal protection of railway tracks in order to minimise dilatation and to avoid potential deformation during hot weather seasons. It can be applied directly, and without prior undercoat, on a number of coherent substrates and in particular, of course, on ferrous steel. **CoolTrack™** can be applied in various thicknesses, depending on the needs and special additives guarantee adequate corrosion protection, thus excluding the need of initial priming. Cleaning by brushing, prior to application, is only required in case of extreme contamination or corrosion. The smooth, satin-finished surface is resistant to dirt and dust deposition and can also be easily cleaned with water to preserve thermal insulation capacity over time. The coating application remains flexible, even at higher thicknesses, which help to avoid cracks and splitting caused by strong vibrations when trains pass on the rails or in case of dilatation during periods of strong heat.

Application

With roller, brush or airless spray

Dilution

With roller or brush: ready-to-use – airless: maximum 5 % with water

Application temperature

Above 5 °C

Shelf life

At least 1 year in closed original containers. Protect against frost!

Specifications

CoolTrack™ is a customised product and the final parameters are therefore only implemented once the specifications of the customer have been defined.

Parameter	Value	Remark
Solid content	60 %	Average by weight
Specific gravity	0.72 g/cm ³	Average value
Viscosity Brookfield (Sp 6) 100 RPM	6800 mPas	Average value
VOC	< 10 g/L	
Drying time		
Dust free	After 1 hours at 20°C	
Second coat	After 4-6 hours	
Complete hardening	After 48 hours	

Note : The information offered in this data sheet has been given with the best intention and it is based on extensive experience together with research & development. It must however be pointed out that that any data included is provided without any liability on our behalf. www.seraplus.com

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