

CoolTrack

Innovative coating for efficient protection of rail tracks against heat and associated track faults

- > Strong cooling effect by UV-reflection and IR absorption
- > Primer and topcoat in one single product, no need for priming
- > Long durability means interesting value for money
- > Environmentally friendly, solvent free product



SeraPlus
Innovative Technologies

 SWISS TECHNOLOGY

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DON'T TELL ME
THE SKY
IS THE LIMIT

IF THERE ARE
FOOTPRINTS
ON THE MOON

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WHAT? HOW? WHY?

CoolTrack

CoolTrack is a water dilutable coating, specially designed for thermal insulation of rail tracks and exclusively developed by **SeraPlus**.

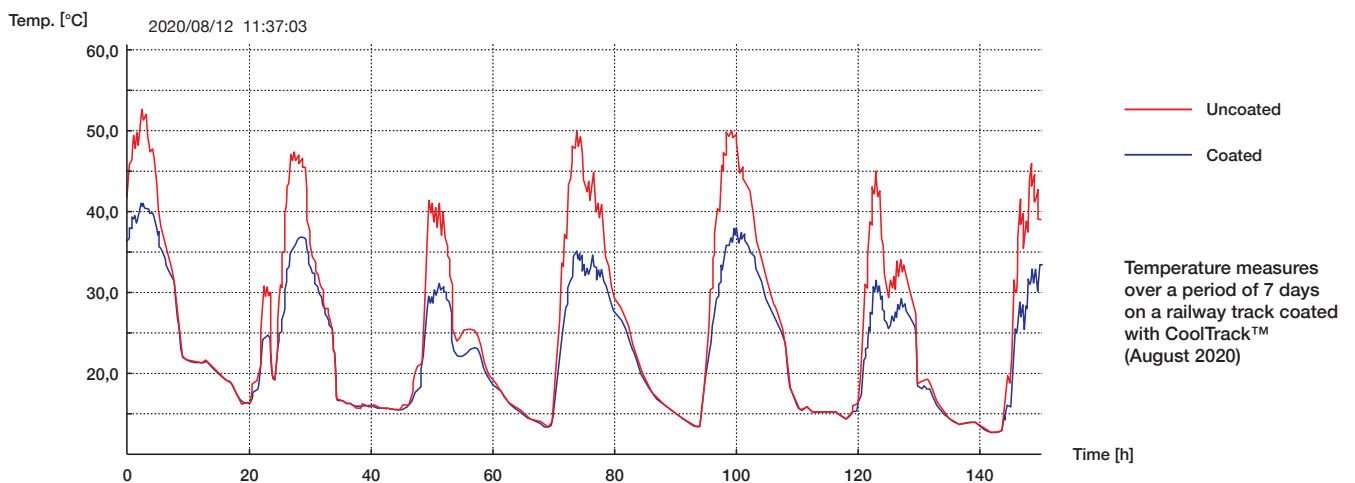
Technology

The material expansion of the railway tracks, occurring during periods of extreme heat, must be absorbed by the sleepers and track bed. Lateral buckling, also known as track faults, may however occur if these counterforces are not sufficient.

CoolTrack offers sustainable thermal insulation through a combination of two distinguished features:

- A highly reflecting surface which deviates the UV part of the sun radiation.
- Incorporation of high porosity raw materials will englobe and absorb the IR heated air molecules, resulting in a substantial decrease of the heat conductivity.

The resulting temperature reduction eliminates virtually any risk of track deformation.



Features and benefits

- Excellent thermal insulation - strong cooling effect
- Excellent adhesion properties on all metal surfaces
- Primer / Topcoat combined in one single product, no need for priming
- Tough and elastic paint layer to absorb mechanical stress and avoid cracking
- Satin appearance, easy to clean
- Long durability and service life
- Only minimal cleaning of rail tracks required prior to application
- Good protection against corrosion

Conclusions

- **CoolTrack™** offers new perspectives for thermal insulation
- Long durability means interesting value for money
- An environmentally friendly and solvent free product (VOC < 10 g/L)