



Protective and Cosmetic Surface Coatings

## SURFACE PROTECTION FOR RAIL

Unicoatings™ UC2K is a unique coating that protects locomotives, carriages and wagons to an unprecedented level from the elements and malicious damage, thus extending their life and reducing cleaning and maintenance costs.



Based in the Netherlands, Unicoatings is a global organisation that specialises in the research, development and manufacture of sustainable coating products and treatments that are used daily, worldwide in endless applications across multiple market sectors.

UC2K can be applied to almost all surfaces, including concrete, stone, brickwork, glass, steel, aluminium, stainless steel and copper, as well as many lacquer systems.

Typical applications in the rail sector include the outside and inside of locomotives, passenger carriages, freight wagons, undergrounds and trams. Customers recognise that UC2K protects their assets by delivering an easy to clean protective shield that repels unwanted contaminants and prevents damage to the protected surface for many years.

### UC2K BENEFITS



#### PROTECTION

Long lasting durable clear coating with high protection against salt spray, corrosion, tar, solvents, chemicals, acids, alkalines and UV sunlight. High temperature protection (to 350C) on electrical trains, subjected to molten fragments falling from overhead wires.



#### EASY TO CLEAN

High self-cleaning ability and 100% eco-friendly saves on daily and scheduled maintenance, labour, time and cleaning products. Even smoke from diesel electric locomotives is easy to clean off.



#### SUSTAINABLE

No strong chemicals or solvents required protects the environment as well as your assets.



#### COLOUR PROTECTION

Colours can be protected on new locomotives, carriages and wagons from the start and faded colours can be restored and preserved from deterioration or fading for many years.



#### ANTI-GRAFFITI

Permanent protection against graffiti, which is easily and quickly removed without using aggressive cleaning methods.



#### ANTI-FINGERPRINT

The transparent and colourless coating forms an anti-fingerprint layer, which protects your surfaces from corrosion, scratches and dirt.

## UNIQUE FORMULA

**UC2K is two-component advanced technology clear coating that provides exceptional gloss retention and weather resistance for many years.**

The sealed surface is easily cleaned, without requiring special cleaners, and is more resistant to new soiling. After treatment, dull and tired paintwork gleams like new and is protected long-term against corrosion. Surfaces already coated with other products can be refreshed, sealed and protected on a long-term basis.

- Excellent gloss and long-life properties
- Easily applied to all surfaces by normal painting processes
- No special preparation of the base material is required
- Economical due to high coverage rates
- High productivity due to extremely thin coating layer



## EASY APPLICATION



Available in 1-, 5- and 25-litre containers, UC2K is easily applied via rolling, brush-painting, spraying or immersion. To achieve the best results, we recommend application by HVLP spray.

Due to UC2K's extremely thin minimum coating thickness (5-20 $\mu$ m), a coating capacity of approximately 30-40m<sup>2</sup> can be achieved per 1kg when applied to non-absorbent surfaces. For application on concrete or plastered surfaces, a lower gloss version will cover approximately 20-30m<sup>2</sup> per 1kg.

## TESTS & CERTIFICATIONS

**The following tests and certifications are available on the UC2K protective coating.**

### SAFE DRINKING WATER

Testing of products for use in contact with drinking water

### ENDURES-RPT16081

Barrier properties of a new type of protective coating

### ISO 9227, 11507 & 2813

COT - neutral salt spray testing (ISO 9227)

COT - QUV (ISO 11507) and specular gloss (ISO 2813)

*"I would proudly state that the first two electric locomotives in the Netherlands are coated with UC2K... We are planning to treat all of our assets with UC2K as it is complementary to our operational needs."*

**FLEET MANAGER**

## CONTACT DETAILS

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