

## Unicoatings™ UC 2K lacquer

A two-component clear coating based on chemical nanotechnology. **UniCoat 2k Lacquer** offers exceptional gloss retention and weather resistance for many years. The sealed surface is able to be cleaned easily, without using a special cleanser, and is more resistant to new soiling by virtue of its "easy-to-clean" effect. Dull and tired paintwork, chalky glass-fibre (GFK) surfaces and cloudy and tired anodised aluminium gleams again "just like new" and in original colours after treatment. Galvanised surfaces such as aluminium, brass, copper, and chrome are protected long-term against corrosion. Due to the extremely thin "minimum-coating" thickness, a coating capacity of about 50 - 60 sq. metres on not absorbing surfaces can be achieved per 1kg when applied to non-absorbent surfaces. For application on concrete or plastered surfaces we are able to offer a "less gloss" version of the product. Used on such surfaces 30-40 sq. metres can be achieved with 1kg. The thin film coat and low viscosity of **UniCoat 2k Lacquer** means it can be applied via brushing, rolling, ragging or spraying. This is ideal in areas where spraying is not possible. Perfect for use on aluminium (whether treated or not) stainless-steel, brass, copper, magnesium, ceramics, GFK glass-fibre, concrete, as well as on plaster surfaces and mineral bases. Surfaces already coated with other products can be "refreshed", sealed and protected on a long-term basis.

### Properties:

- Excellent gloss and long-life properties
- Long lasting "easy-to-clean" final coating
- Protection against UV rays which prevents bleaching of surfaces.
- "Anti-Graffiti" and "Anti-fingerprinting" capacity
- Long lasting protection against corrosion.
- Extremely resistance to mechanical influences
- Stability against condensation and climatic/temperature variations
- Resistance against acid and solvent invasions
- No special preparation of the base material is required
- High productivity because of extremely minimum layer thickness

### Technical Data:

Mixing proportions Base :	Hardener 5.5 : 1 by weight
Dilution:	Nil
Finish:	High Gloss
Color:	Transparent
Coating thickness:	5 - 20um (dry)
Temperature Stability:	-20 deg C to 150 deg C
Pot-Life:	About 4 hours at 20 deg C
Dust Dry:*	After about 6 hours at 20 deg C
Finally Dry: *	After about 7 days at 20 deg C
Second Coat	Not Necessary
Accelerated Drying:	Above 60 deg C when dust dry
Application	HVLP, Nozzle 0.8mm, Pressure 2 bar

\*Working at a temperature below 15 degrees can result in a much longer drying time.

## Application:

Application is possible using the accepted methods (rolling, brush-painting, spraying or by immersion) To achieve the most successful surface HVLP Spray application is recommended. The version "S" can be applied alternatively with a roller or a cloth free of any fuzz. The surface should be cleaned (free from fats, polishes, waxes and tensides), dry and free from dust and any fatty/oily materials. For cleaning purposes silicone remover (Cleanser) is advised. For Aluminium and Magnesium surfaces an alkaline cleanser is advised. Please see that only a minimum surface thickness is needed ! Details in the application vary depending upon the surface which is to be coated. We are happy to advise you fully in these cases.

## Product Definition / Transport Definition:

Base: Xi = Reizend, UN 1263  
Hardener: C = Ätzend, UN 2920

## Availability:

1 kg box, 5 litre canister, 25 litre canister. Other packing forms/sizes are possible after prior consultation with us and according to the transport possibilities/regulations.

## Storage:

The product may be stored for at least 12 months in its original packing. Protect from frost and direct sunlight.

## Disposal:

Empty containers as well as any remaining product must be disposed of according to the local laws and regulations or it must be taken to the community collection point for such materials.

## Safety/Protection Measures:

When using this product please take note of the instructions on the bottle/canister. We wish to make it clear that the use of chemical preparations should only take place when the safety measures are observed and are always out of the reach of children. The technical information given here is according to the latest technical knowledge and composed from our own experience. In view of the many uses possible with this product it is therefore the responsibility of the user to act according to the given situation in respect of safety - that is to say the user acts upon their own responsibility in any given situation when using this product. That the use of this product takes place out of our jurisdiction, we have set out safety and protection measures, but we cannot be held responsible in any circumstances. For any misuse of the product we cannot be held responsible. In the event of a new version of this information becoming available - this information here set out is no longer valid.

## Examples/Pictures:



*A bleached surface – before and after coating with **UniCoat 2k Lacquer***



*A coated Alu-façade after coating with **UniCoat 2k Lacquer**.  
(the section shows the degree of dirt before)*



*Part of an old and bleached Aluminium façade, following a clear coating.  
High-gloss, colour enhancement and "easy-to-clean-effect" with minimum 5 year guarantee*