



Terotex-Super 3000 light structure

Fast Drying, Paintable
 Stonechip Protection Compound

Basis: Artificial Resins

Status: 1999-08-27

Product Description

Terotex-Super 3000 light structure is a solvent containing, high viscosity, sprayable coating material based on artificial resins. The material demonstrates particularly fast drying characteristics and can be overpainted quickly. After complete drying, the coating exhibits an abrasion resistant corrosion protection with good stone chip protection properties and good ageing characteristics. The dry film provides excellent adhesion to bare, primed and painted sheet metal, and to plastics coated with primer or filler.

Terotex-Super 3000 light structure can be painted with standard vehicle paint systems (conventional and water based). Oven drying of painted as well as unpainted parts is possible without problems. By mixing Terotex-Super 3000 light structure with the original car paint the material can be inked in any desired colour. This provides for a stone chip protection layer in the same colour as the paint, which, in case of small puncture of the paint, will reduce visibility of the damage. After complete drying the coating can be sanded.

Terotex-Super 3000 light structure has a high sag resistance together with excellent spraying properties. This allows creating nearly every desired surface structure.

Terotex-Super 3000 light structure is temporarily resistant against gasoline and cold cleaners.

Application Areas

Terotex-Super 3000 light structure is used to protect visible vehicle parts against corrosion due to stone chips, salt and humidity and allows to recreate the original surface structure of the stone chip protection coating, once painted.

Terotex-Super 3000 light Structure is not suitable for coating elastic materials.

Technical Data

Colour:	light beige
Odour:	scent of aromatics
Consistency:	viscous, liquid
Density:	approx. 1.22 g/cm ³
Solids:	approx. 58 %
Sag resistance:	good
Layer thickness wet:	up to 1 mm
Diluent / Cleaner:	Cleaner-D
Surface drying:	2–3 hrs
Completely dry:	over night
Application temperature:	10°C to 25°C
In service temperature range:	-25°C to 80°C
Short exposure (up to 1 h):	100°C

Preliminary remark

Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment

Surfaces to be coated with Terotex-Super 3000 light structure have to be clean, dry and free of rust, grease, dust and other contaminations. Areas not to be coated should be properly covered.

Adhesion of Terotex-Super 3000 light structure can be improved by roughening the surfaces to be coated with abrasive paper.

Wash Primers

Due to the excellent corrosion protection and adhesion properties, phosphate and epoxy resin based primers are particularly suitable. Important: Primer layers have to be completely dry prior to coating with Terotex-Super 3000 light Structure.

High solid Primers and Fillers

If the parts to be painted after a repair have to be coated with a high solid primer or filler, these materials should preferably be applied prior to coating with Terotex-Super 3000 light Structure and should be completely dry.

Application

Terotex-Super 3000 light structure is applied with the Teroson UBC-Gun from 1-l-cans. Recommended application pressure 4–5 bar. Shake can well before use. After product application, close the container tightly to avoid skin formation inside the container.

Fine surface structures can be obtained with a standard filler gun available in every paint shop.

Terotex-Super 3000 light structure can be mixed with original vehicle paint (*do not mix with water-based paints*). Mixing with the original paint allows adjusting the colour of the product to match the colour of the final paint. This will reduce the visibility of a future puncture in the paint. The mixing ratio should not be more than 40 % of the original paint (base and hardener).

The layer thickness of Terotex-Super 3000 light structure should not exceed 1 mm. This maximum layer thickness should be preferably applied in more than one spray cycle.

Important

Do not spray on joints, engine, gearbox, exhaust components, catalytic converter and brake system components. Remove over-spray immediately with Cleaner-D and a cloth.

After use, immediately clean the application equipment. Blow out remaining product and purge with paint thinner or Cleaner-D. A clogged application tool may cause the can burst.

Please refer to the relevant instruction manual for the respective equipment!

Painting Behaviour

After application Terotex-Super 3000 light structure can be painted wet-on-wet (ca. 15 minutes) with standard automotive paints (conventional and water based). For best results, painting should be done within 6 hours after product application. After the product is completely dried, it has to be treated like plastics prior to painting, e.g. sanding and the use of a suitable primer is recommended.

Drying

Painting wet-on-wet followed by oven drying at 60°C is possible without problems.

If the paint process requires Infrared drying, the Terotex-Super 3000 light structure layer should be allowed to air dry for minimum of 3 hours before painting, as immediate exposure to Infrared drying systems may cause blistering.

Incompatibility

Terotex-Super 3000 light structure contains highly volatile solvent blend, which may etch certain substrates, e.g. Zinc-Spray, Terostat-9120, Terostat-9321. If these substrates have to be coated, a

very thin layer of Terotex-Super 3000 light structure should be applied first, to allow the solvent to quickly evaporate. After complete drying of the thin layer, the coating can be applied to the required thickness.

In case of doubt, prior testing is recommended.

Terotex-Super 3000 light structure must not be applied onto substrates treated with Rust Converter Emulsions as the rust converter layer will be destroyed. Coating of the layer with standard one component or two component primers is recommended prior to coating with Terotex-Super 3000 light structure.

Cleaning

Remove any over-spray immediately with Cleaner-D. Once dried, Terotex-Super 3000 light Structure can be removed mechanically only.

Caution: Cleaner-D may attack plastic and painted surfaces!

Storage

Frost-sensitive	no
Recommended storage temp.	10°C to 25°C
Shelf-life	18 months in the original container

Packaging

Can	1 l
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Hazard Indications/

Safety Recommendations/

Transport Regulations

see Safety Data Sheet

Important

The above data, particularly the recommendations for application and use of our products are based on our knowledge and experience. Due to different materials and conditions of application which are beyond our knowledge and control we recommend strongly to carry out sufficient tests in order to ensure that our products are suitable for the intended processes and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.

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