

Terotrend-Road Stone Anti-Chip light/black

Sprayable Coating

Basis: Aqueous Synthetic Resin Dispersion

Status: 2000-04-07

Product Description

Terotrend-Road Stone Anti-Chip light/black is a coating compound based on an aqueous synthetic resin dispersion, which can be spray-applied using the Teroson-UBC gun. The material may be dried normally at room temperature, or drying may be accelerated by exposing to temperatures of up to 70°C. Drying times are highly dependent on the thickness of the coating applied, on ambient temperatures and on the relative humidity of the ambient air. Drying is considerably faster if good ventilation and relatively high temperatures are provided.

The dry film adheres well to bare and electro coated sheet steel, to PVC underbody coatings and to wood. Because of its high abrasion resistance and its good flexibility in the cold the material exhibits a good road stone anti-chip behaviour. When fully dry, the material can be painted with any normal car paint.

Application Areas

Terotrend-Road Stone Anti-Chip light/black is used for corrosion protection and repair jobs of underbodies, wheel casings, front and rear areas, that is particularly for those areas of passenger cars which are especially endangered by stone impact. Terotrend-Road Stone Anti-Chip light/black is also suited for the treatment of wooden floors of caravans and campers. Because of its adhesion to bare and painted substrates the material can be used for both, new parts (repair steel sheets) and repair jobs.

Technical Data

Colour:	wet: grey/bluish, opaque; dry: light/black
Odour:	smells of amines
Density:	approx. 1.35 g/cm ³
Consistency:	viscous
Solids:	approx. 65 %
Viscosity:	ca. 1.4 Pa.s
Equipment:	Rheo-STV
Measuring system:	Rotor 30
Speed:	200 rpm
Sag resistance:	1–2 mm wet
Consumption per 1mm dry film:	1.65 kg/m ²
Surface drying:	2–4 hrs
Completely dry:	20–48 hrs
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 labelling, the relevant precautions should always be observed.



Preparations for use

Because aqueous dispersions such as Terotrend-Road Stone Anti-Chip light/black do not adhere to oily substrates or substrates containing wax, appropriate pre-treatment must be provided in such cases.

This can be achieved by cleaning using high-pressure washing systems at 80°C with the addition of a cold cleaner. Please follow any instructions provided by the material or equipment manufacturer. Solvents, such as acetone, can also be used for cleaning.



Application

Terotrend-Road Stone Anti-Chip light/black is applied with the Teroson-UBC gun (operating pressure 4 bar), and coating thicknesses of up to 2 mm wet are possible in one operation. The stainless Teroson-UBC gun (Art. No. 106.84 N) should be used because of the water-based nature of the product (danger of rust).



Terotrend-Road Stone Anti-Chip light/black may be thinned with distilled or demineralised water (max. 5 %).



Drying

Terotrend-Road Stone Anti-Chip light/black undergoes a purely physical drying process by evaporation of the water either at room temperature or, if faster drying is required, at temperatures of up to 70°C. Blistering may occur if the wet coating is exposed to temperatures in excess of 70°C. The water will be removed from the coating if good ventilation is provided. During the drying process, the product changes colour from opaque grey/blue to grey/black, and this may be used as an indication of the degree of drying.

When the relative atmospheric humidity is very high (in the region of 100 %), drying can be severely delayed or even prevented altogether. In such cases only hot drying is possible.



Overpainting

The coating may be painted when it is fully dry. In view of the wide variety of paint systems available on the market, preliminary tests should always be carried out.

Warning:

Do not spray onto linkages, engines, transmissions, drive shafts, exhausts, catalysers and braking systems. Blow out the Teroson-UBC gun after use and then clean the nozzle and the suction pipe.

**A blocked gun may lead to the can exploding.
The instructions for use of the gun must be followed!**



Cleaning

Equipment and soiled parts should be cleaned immediately after spraying using water, if necessary with the addition of an aqueous detergent. Terotrend-Road Stone Anti-Chip light/black can only be removed mechanically once it has dried.

If no coagulation facility or ultrafiltration system is available, the water used for cleaning should be disposed of in accordance with local waste disposal legislation.

If the spray gun is not to be cleaned immediately, then it must be kept in an airtight place (e.g. under water).



Storage

Frost-sensitive	yes
Recommended storage temp.	10°C to 25°C
Shelf-life	12 months

Packaging

Can	1 l (light)	Art.-No. 191.08 V (D/GB/F/NL)
Can	1 l (black)	Art.-No. 191.32 W (D/GB/F/NL)

**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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