



Terotex-HV 400

Anticorrosive Agent for
 Cavity Conservation
 with High Solids

Basis: Waxes, Polymers and Anti Corrosive Additives

Status: 2000-04-07

Product Description

Terotex-HV 400 is a solvent containing anticorrosive agent for cavity conservation with high solids, based on waxes, polymers and anticorrosive additives. The material is a thixotropic solution which can be well atomized. This leads to optimum protection even of those areas which are difficult to reach and also between narrow sheet metal tolerances. Terotex-HV 400 infiltrates and displaces humidity. The product contains a high content of rust inhibitors.

Terotex-HV 400 atomizes to a fine fog during spraying, has excellent penetration characteristics, penetrates well into the gaps to be protected (e.g. welding seams), but does not run off significantly from lower seams. The material may also be applied at temperatures starting at 10°C, but penetration is improved when product and car body have normal room temperature.

After complete drying Terotex-HV 400 forms a plastic, water-repellent film with a beige transparent colour.

Application Areas

Terotex-HV 400 is primarily used in garages for spraying cavities in motor vehicle bodies in addition to the existing cavity conservation applied to new cars, for follow-up treatment after 2–3 years and after an accident damage repair.

Technical Data

Colour:	beige transparent
Odour:	characteristic odour
Consistency:	thixotropic
Density:	approx. 0.96 g/cm ³
Solids:	approx. 60 %
Dripping temperature of the solids: (to DIN 51801)	approx. 150°C
Sag resistance (with 0.2 ml drops):	minimum 100 µm
Penetration:	> 16 cm
Paint compatibility:	no permanent changes of the top-coat
Removability after 24 hrs:	dried material can easily be removed
Behaviour in the repair paint oven: (1.5 hrs at 90°C)	no running off
Behaviour in the cold:	no cracks
Layer thickness:	40 µm
Storage:	2 d -40°C
Mandrel:	30 mm Ø
Corrosion resistance:	no corrosion
salt spray test to DIN 50021 (35°C, salt solution 5 %, 240 hrs)	
Volume resistivity:	4.8x10 ⁹ Ωcm
Application temperature:	15°C to 25°C
In service temperature range:	-40°C to 90°C
Short exposure (up to 1 h):	120°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.

Application

Terotex-HV 400 can be applied both, with the HV Cup Pistol S/W and with the HKU Secondary Air Equipment 3:1 with the respective probes. Application pressure for the HV Cup Pistol S/W is 5–6 bar. The most favourable pressure adjustment for the HKU Secondary Air Equipment 3:1 is 4 bar for the pump and 6 bar for the pistol. The pressure reducer for the material should be adjusted to 5 bar.

Do not spray onto rubber parts!

After a longer storage period as well as at temperatures below 10°C the material builds up a certain thixotropy. However, this is broken during spraying procedure - the material, therefore, exhibits its normal characteristics after application.

Depending on the cavity to be treated the drying period can last up to several days; assure sufficient ventilation during drying.

Cleaning

Terotex-HV 400 drips can easily be wiped off. For cleaning dried material Cleaner-FL is suitable; larger areas can be steam jet cleaned. Contamination on painted areas should be removed immediately.

Storage

Frost-sensitive	yes
Recommended storage temp.	15°C to 25°C; thickens at lower temperatures and must be brought to application temperature prior to use
Shelf-life	18 months

Packaging

Tin	1 l	Art.-No. 169.65 Q (D/GB/F/NL)
Tin	1 l	Scandi-Code 129
Can	10 l	Art.-No. 169.76 C (D/GB/F/NL)
Can	10 l	Scandi-Code 119
Drum	60 l	Art.-No. 169.85 M (D/GB/F/NL)
Drum	60 l	Scandi-Code 139

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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