



Food contact

HIGH SOLID 2-COMPONENT EPOXY COATING

DTM EP 40-30 Food Contact

Safety and appropriate transport of food is a challenge for the entire supply chain. Many countries have introduced or tightened compliance regulations to ensure safe use of food contact materials: Certification 1935/2004 of the European Parliament is obligatory for the transport of food. DTM EP 40-30 Food Contact is specifically developed for food contact and in compliance with current regulations.

This **high solid, 2-component epoxy coating** is certified for direct and indirect contact for dry food. It provides a high corrosion protection and is suitable for repeated use for bulk goods wagons, tanks, conveyor systems, silos in contact with dry food-grades as well as heavy duty containers with a capacity greater than 10,000 litres.

PRODUCT HIGHLIGHTS

- Certified for direct and indirect contact for dry food according to the European Regulation No. 1935/2004 as well as the EU regulation No. 10/2011
- Excellent corrosion protection
- Low VOC content
- High mechanical stability
- Fast drying
- Good adhesion on metal, such as steel and zinc
- Suitable even at low temperatures down to 5°C.
- High yield, 270g / m²/ 120 µm

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TECHNICAL DATA

Colour:	light-grey approx. RAL 7035	Drying time:	Dust free TG1 35 min/23°C 1h/15°C 2h/5°C
Recomm. substrate:	steel: blast cleaning (grade Sa 2 ½) acc. ISO 12944/4, zinc: sweeping	Temperature stability:	up to . 120°C permanent / 150°C peaks
Application:	by brushing, airless-spraying or rolling	Solid content in mixture:	volume: 72 % ± 3
Film thickness:	120 – 180 µm, according to the application method	Spec. gravity in mixture:	approx. 1,65 ± 0,1 g/cm ³
Mixing ratio:	10 parts DTM EP 40-30 Food Contact 1 part Remoplast Speed Hardener	VOC:	237 g/l – calculated in mixture
Pot life:	4 hours at 20°C	Storability:	2 years from date of manufacture in barrels
Spreading rate in mixture:	theoretical: 270g / m ² / 120 µm	Packaging:	comp. A 27,0 kg net comp. B 2,7 kg net
Thinner:	ready for application (no pre-reaction needed); add thinner 400 just for temperatures below 20°C (max. 3%).		

REMARK

The material must be applied immediately after sandblasting to avoid flashrust. The surface has to be free of dust, salt, moisture and ice. Ambient air temperature and temperature of surface at least 5°C. Max. humidity 80% during application and drying. Surface temperature 3°C above dewpoint, at least 0°C. Unnecessary high film thickness effects to longer drying times.



These data are based on experience. As we have no influence on the processing, we are only able to guarantee the constant quality of our products. Subject to alterations. Issue date: 21/04/2022 | Version 1
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