

**DATA SHEET**

**541**  
**POTABLE WATER TANK**

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V1-24/08/2017

**GENERAL DESCRIPTION**

- A surface tolerant epoxy coating, designed to protect steel with a minimum amount of surface preparation.

**USES**

- Repair of ships, decks, hatch-covers, ballast tanks, etc.

**ADVANTAGES**

- Minimum surface preparation (St 2)
- Sand blasting not necessary.
- Excellent adhesion.
- Can be applied to a slightly damp surface.
- Excellent corrosion resistance.
- Excellent resistance to salt water, solvents and chemicals.
- Suitable for immersion in water.
- Excellent abrasion resistance.
- High solids and low VOC.

**COVERAGE**

3 – 6m<sup>2</sup>/litre (@ 140 to 180 microns DFT)  
WFT : 165 – 330 microns      DFT : 140 – 280 microns  
5.8 – 145 mils      5 – 12 mils

**SURFACE PREPARATION**

Mechanically clean to St. 2. Rinse well with fresh water, preferably high pressure wash. Old coatings, such as an Epoxy or Polyurethane, which are in a sound condition need only to be abraded.

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**APPLICATION**

Brush or roller.

Airless spray : Nozzle Pressure : 150 – 180 kg/cm<sup>2</sup>  
Tip. No. : Graco 623 (0,8 – 1,1mm)  
Thinning : Up to 5%

**TYPICAL SPECIFICATION**

1 x 150 $\mu$  DFT Tuffcoat Each coat  
1 x Stripcoat Tuffcoat to be differently  
1 x 150 $\mu$  DFT Tuffcoat coloured  
1 x 50 $\mu$  505PU (for exterior exposure)

**HEALTH & SAFETY**

- Read instructions on container.
- Avoid skin contact and inhalation.
- Skin : wash well with soap and water.
- Eyes : flush with water and immediately seek medical attention.
- Refer to Material Safety Data Sheet for further details.

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**LIMITATIONS**

- All epoxy coatings experience yellowing and chalking on exterior exposure.
- To avoid this, apply 505 PU as a topcoat.

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**TECHNICAL DATA**

Type	: Modified epoxy/amine containing micro glass flakes.
Colours	: Grey, Reddish Brown, White, Aluminium.
No. of components	: Two (Activator Code : 391099)
Applic. Temp.	: 5°C to 40°C
Service Temp.	: -40°C to 120°C
Solids (vol.)	: 85% +/- 2%
Specific Gravity	: 1,48
Mixing Ratio	: 6:1 (by volume)
Induction time	: 10 minutes
Pot life (23°C)	: 2 hours
Drying time at 23°C	: Surface dry : 4 hours. Hard dry : 16 hours.
Over-coating time	: 10°C - 24 hours (min) 4 days (max) 20°C - 16 hours (min) 3 days (max) 30°C - 9 hours (min) 2 days (max)
Full cure	: 7 days at 23°C
Thinner	: Epoxy Thinner
Cleaning solvent	: Epoxy Thinner
Storage temperature	: 5°C to 25°C (recommended)
Shelf life	: 2 years if stored under recommended conditions.
Flash Point	: Base 38°C, Hardener 90°C
Viscosity	: 100 – 105 Kμ
Pack Size	: 5 litre

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.