



SAINT-GOBAIN

4-metal DTM

WATER-BASED METAL PRIMER AND CORROSION PROTECTION TOP COAT

DESCRIPTION

4-metal DTM is a water based metal primer and corrosion inhibitor with a self-crosslinking, multi-phase acrylic dispersion top coat. This offers outstanding corrosion protection, superior water resistance, and adhesion properties.

USES

- As a water based metal primer for water borne bitumens, acrylics, alkyd enamels and polyurethanes, as well as **a.b.e.**® solvent borne **silvakote**® and **abeproof liquid membrane**.
- The unique advanced technology offers a 4-in-1 system for metal protection:
 - Direct to rust (with required surface preparation)
 - Direct to metal
 - Primer and
 - Top coat
- Can be applied to prepared metal surfaces: new mild steel, galvanised steel, clean carbon steel, hot-dip galvanised steel (with the passivating layer removed), aluminium, and Grade 304 stainless steel

ADVANTAGES

- Easy-to-use, brush, roller or spray applied
- Increases the protection of metal against corrosion/rust
- May be overcoated
- Convenient 4-in-1 system
- Excellent substrate and inter-coat adhesion
- Quick drying
- Prevents flash rusting

- Interior and exterior use, low odour
- Excellent durability and weathering properties
- High opacity, hiding properties
- Good water resistance, not for immersed conditions
- Abrasion and scratch resistant
- UV resistant and good colour retention

FINISH

Semi-matt and smooth.

COLOUR

Grey, Red, Black and White.

White can be tinted.

This product is available on shelf in carefully selected classic standard colours for your convenience.*

(*) Disclaimer

While we make every effort to ensure that colours shown match actual paint colours as closely as possible, variations may occur due to a variety of factors. Always paint a test patch of the selected colour. For consistency of colour, always check that paint containers carry the same batch number.

TYPICAL PHYSICAL PROPERTIES

Density	1.23 g/cm ³
Temperature Range	-5 °C to 60 °C
Viscosity	2000 cP
Volume solids	45%
Chemical resistance to	Dilute acids & alkalis
	Household cleaning chemicals
	Petrol/diesel

Atmospheric Corrosivity Category (ISO 12944-6): C3 (High) / C4 (Medium)* at 400 micron WFT / 200 micron DFT. *Lasts more than 15 years in a C3 environment and 10 – 15 years in a C4 environment before necessitating maintenance.

SURFACE PREPARATION

Iron or steel surfaces should be free of loose rust. Make sure the substrate is spotless, sound, dry, and free of impurities like lichens, oil, grease, salt, dirt, and algae.

Exposed metal should be thoroughly wire brushed to reach as clean a state as possible.

Galvanised steel should be degreased and completely free of white rust and preventative compounds.

For new and weathered surfaces **4-metal DTM** is self-priming, to ensure good adhesion abrade surface with coarse sandpaper.

For previously painted surfaces - remove powdery, loose and flaking paint completely with a wire brush, sandpaper or high-pressure cleaner. Abrade surface with coarse sandpaper to ensure good adhesion. Wipe down with a slightly damp cloth and allow to dry.

Rusted surfaces - remove rust with a rust cleaner and degreaser.

MIXING

Stir well before use.

COVERAGE

Practical coverage for estimated purposes at 10 to 12 m²/litre per coat:

- Prime coat @ 100 microns WFT - approx 10 m²
- As a top coat @ 200 microns WFT - approx 5 m²

Total system 300 micron WFT - 3 to 4 m². Additional coat required for C3/C4 environments.

APPLICATION

4-metal DTM may be applied by brush, roller or spray straight from the container.

Use **4-metal DTM** as primer for **abeproof liquid membrane** or **silvakote**:

Clean metal substrate, refer to Surface Preparation. Apply

4-metal DTM @ 100 microns WFT. Allow to dry before applying required top coats.

Drying time @ 25 °C:	Touch dry – 30 minutes
	Hard dry – 2 hours
Overcoating time @ 25 °C	1 - 2 hours

CLEANING

Whilst **4-metal DTM** is still wet, clean equipment with water. If

4-metal DTM has dried, use **abe® super brush cleaner** followed by washing with soap and water.

PROTECTION ON COMPLETION

4-metal DTM may be recoated as a maintenance coat as required.

MODEL SPECIFICATION

4-metal DTM is a water based metal primer and corrosion inhibitor which is as a self-crosslinking, multi-phase acrylic dispersion top coat.

Offers outstanding corrosion protection, superior water-resistance, and adhesion properties. Atmospheric Corrosivity Category (ISO 12944-6): C3 (High) / C4 (Medium).

PACKAGING

1 l and 5 l containers.

HANDLING & STORAGE

Shelf-life of 12 months, but shorter if in extreme conditions. Keep tightly sealed in a dry cool place in the original packaging.

HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.**® branch.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.**® endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot accept any liability for application – because **a.b.e.**® has no direct or continuous control over where and how **a.b.e.**® products are applied.

FURTHER INFORMATION

- Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.
- **a.b.e.**® has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.
- Please consult our website for our latest data sheets.

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ISO 9001:2015 registered
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