

Technical Data Sheet



Product Name: Acid Chromate Bath

Product Number: DOW 1

Product Description: Dow 1 is a Chromate pickling treatment for magnesium. This treatment imparts a moderate level of corrosion resistance that is useful during shipping. The chromate later also provides a good base for subsequent paint application.

Dow 1 coatings are designed to give no dimensional change after application. The coating is used for corrosion protection over limited time periods and as a paint pre-treatment. It is recommended that Dow 1 treatments are removed before treatment with other chromate conversion coatings.

Approvals/Specifications: Also known as AMS M 3171 Type 1

Should be stored in a stainless steel or aluminium container

Performance: Produces a golden yellow often iridescence coating that provides limited corrosion protection, <24 hours in a salt solution environment. The Dow 1 treatment provides good surface preparation for subsequent paint coatings.

Components: Single Part Product

Application:

Surface Preparation: Use in accordance with relevant process specification or overhaul process. Alternatively apply by swab or brush. Apply continuously until a brassy coloured film is produced. Water-wash when the desired colour is observed.

Paint Preparation: Ready for use

Application Method: 10 seconds to 2 minutes immersion at room temperature. Drain 5-15 seconds, rinse in cold or lukewarm water and dry.

Solution is controlled by specific gravity 1.20-1.24; rejuvenated by nitric acid additions.

Drying Curing: Following application and water washing to remove any residual material dry to remove moisture before further processing. The applied treatment may be oven dried at up to 80°C to aid drying before further processing of the treated surface.

Technical Properties:

Supply Viscosity:	N/A – water viscosity
Flash Point:	Non-Flammable
VOC Content:	0 g/litre
Colour:	Golden
Pack Size:	1 litre poly bottles
Density:	1.23 g/ml
Gloss:	N/A
Thinner:	N/A
Solvent/Clean Up:	Water
Catalyst:	N/A
Theoretical Coverage:	Application specific

Storage:

Water based corrosive and environmentally hazardous material. Do not freeze and ensure that the storage complies with local environmental controls.

Shelf Life: 12 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

Disclaimer:

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Safety Data Sheets:

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