



120 Valley Court
Oak Ridge, TN 37830
PHONE: 865-482-5717
FAX: 865-482-1281
zypcoatings.com

ZYP Thermcoat DMT

Manufactured by ZYP exclusively for Pyrotek®

High Thermal Conductivity, Smooth Finish Coating

ZYP Thermcoat DMT is a ready-to-use, thin viscosity, soft coating that displays non-wetting characteristics with molten aluminium, magnesium and other non-ferrous metals and their drosses. The coating allows for the easy removal of aluminium alloy castings from moulds and leaves mirror-like finishes.

Thermcoat DMT can be used as-is, or can be diluted with clean water.

Key Attributes

- Excellent release and lubrication of moulds
- Low insulation and high conductivity properties
- Applies like house paint
- Water-based and free of solvents
- No settling
- Easy to clean up

Ideal Use

- To improve flow and filling during the wheel casting process
- To increase the cooling rate and heat transfer rate for thick parts

Use Notes

1. Remove any oil, dirt, scale, etc. from the surfaces being coated.
2. Mix the coating thoroughly.
3. Apply by air-spraying or brush.
4. Allow the coating to dry thoroughly before use.
5. Clean the coating application tools with water.



Specifications

Active Ingredient	Boron Nitride, Talc
Maximum Use Temperature	Air 1000°C/1832°F Vaccum 1400°C/2552°F Inert 1800°C/3272°F
Specific Gravity	1.03
Colour	Light Blue
Coverage—m ² /gal (ft ² /gal)	5–15 (200–600)
Coating pH	8–10
Brookfield Viscosity (cps) @2/60	350–550
Dilution Ratio (coating:water)	4:1 maximum

Sizes and Colours

Standard Size: 3.8 litre (1 gallon) pail. 19 litre (5 gallon) pail available upon request.

Safety Information

Prior to use, refer to the product safety data sheet for proper handling and required personal protective equipment.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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