



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

ZYP Thermcoat FD8X

Manufactured by ZYP exclusively for Pyrotek®

Low Thermal Conductivity, Coarse Finish Coating

ZYP Thermcoat FD8X is a thick, coarse-grained, tough and durable coating that displays non-wetting characteristics with molten aluminium, magnesium and other non-ferrous metals and their drosses. The coating has very high thermal insulating properties and is best utilized as an insulating base layer on moulds.

Thermcoat FD8X can be used as-is, or can be diluted with clean water.

Key Attributes

- Applies like house paint
- Water-based and free of solvents
- Little or no settling
- Easy to clean up

Ideal Use

- Mould base layer
- Thin sections of riser and running system castings
- Cylinder head castings
- Engine block castings

Use Notes

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



Specifications

Active Ingredient	Vermiculite, Talc
Maximum Use Temperature	Air 1000°C/1832°F
Specific Gravity	1.29
Colour	Brown
Coverage—m ² /gal (ft ² /gal)	5–15 (200–600)
Coating pH	8–10
Brookfield Viscosity (cps) @4/30	12,000–16,000
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.

ZYP Coatings, Inc. (ZYP) makes no warranties, express or implied, including the warranty of merchantability or fitness for a particular service. Product is for industrial/commercial use only. Users should determine suitability for their use. In no event will ZYP be liable for any direct, indirect, incidental, special or consequential damages or losses including, but not limited to loss of profits, in any way related to this product regardless of the legal theory asserted. Pyrotek® is a registered trademark of Pyrotek Inc.