

AMEETUFF®

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TDS-ARC-318

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ISO 9001-2015
ISO 14001:2015

Fire Resistant insulation grade coating for wall, concrete, gypsum board, Rock Surfaces etc.

Fire Resistant Insulation grade coating are vital to ensure the reduction of fire & heat transfer, & its spreading.



How it works –

Fire Resistant Insulation material within coating create first step is to ensure non spread of fire & heat, if any, second step is to ensure insulation 2nd layer, that does not allow increase in temperature on wall or board structure, make it safe its collapse. In the event of fire winning time is crucial to evacuating people and limiting the amount of structural damage. Thus it is necessary to protect walls, gypsum board, concrete from fire.

Ameetuff Fire Resistant insulation grade coating encloses the wall and roof in reliable insulation barrier which slows down the temperature rise inside walls & protects the construction from fire effect. This coating is also water proof, create vapor barrier along with Anti- Bacterial & Anti – Fungal properties if proper top coat done

WINNING FIRE & HEAT SPREAD IS CRITICAL

Thus it is necessary to protect structures from heat in case of fire.

Studies in Europe and U.S.A over the last two decades have conclusively proven the fact that fire Resistant insulation coating have definite advantages over the conventional methods of heat resistant coatings. which, due to passage of time cause immense problems with Concrete/Cementations Coatings

FUNCTION OF INSULATION COATINGS

The Fire Resistant insulation grade coating provide tough insulating barrier, which will protect surface over which it is formed. Such type of coating is called fire Resistant insulation grade coating..

Ameetuff Fire Resistant insulation coating is a smooth easy to apply coating, which replaces the traditional labour intensive Cladding and encasement method.

The ability of Ameetuff Fire Resistant insulation grade coating is to retard fire and reduction of heat transfer results from the chemical characteristics Of its constitute.

Ameetuff Fire Resistant Insulation grade coating , start action at 250° C, when fire start .they are with excellent heat insulating properties. There low conductivity forms a barrier between the fire and Surface substantially decreases the temperature rise of the surface , and effectively protect it

SYSTEM OFFERED –

The Fire protection to walls , gypsum board , concrete surface with water based fire Resistant base coat and water based fire Resistant top coat with very Low VOC

PRIMER –(BASE COAT) — TWO COAT (in regular 4-6 hr Interval)
TOP COAT -- TWO COATS (in regular 4 -6 hour interval)

MATERIAL REQUIREMENT – With fire rating

- 1) For 30 minutes rating -- one thin coat of base coat and one thin layer of Top coat --- 500 gram Per sqmt.
- 2) For 60 minutes rating --two thin coat of base coat and two thin layer of Top coat----- 1000 gram Per sqmt.
- 3) For 90 minutes rating -- two thick coat of base coat and one thick layer of Top coat ----- 1500 gram Per sqmt.
- 4) For 120 minutes rating - two thick layer of base coat and two thick layer of Top coat ----- 1800 gram per sqmt.

BASE COAT AND TOP COAT - Coverage is 2- 3 SQM / per kg /Coat.

Physical and Chemical properties of FR wall coating --

Colour	All shades available
Sp gravity(Primary coat).....	1.25
Sp gravity (Top coat Pigmented)	1.21
Solubility Primary coat	Water
Spreading rate for Primary coat	2-3 sq /mt per kg
Spreading rate for top coat (Pigmented)	2-3 sq /mt per kg
Effect on skin	No effect
Water resistance of Primary coat	Water resistant
Water resistance of Top coat	Good
Fire resistance of Primary coat	excellent
Chemical resistance of (Top coat)	Good
Salt water resistance of (Top coat)	Good
Chemical nature	polymer compound
Application	by brush / roller

Temp Resistance(Primary & Top coat)	1025 degree centigrade
Particle size	less than 10 microns
Flame Spreading rate	Nil (as per UL 94 BS 476 , part 7)
Storage Life	6 Months
Smoke developed rating	450 degree centigrade

Properties

- Non - Toxic
- Non-Corrosive

Vapor Permeability	≤ 0.1 perm (impermeable)
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Anti- Microbial Properties (Anti- Bacterial & Anti- Fungal Properties)	Excellent
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Application Process

- Clean the Surface, (if present remove old coating by sand paper) make sure surface should be dust free, rust free and oil free.
- Surface should be dry before application of coating.
- Apply 1 coat of base coat & 1 coat of top coat provided by Ameetuff .
- More coats can be applied to increase the fire resistance for longer duration.
- Fire Testing can be done after 8 days.

Do's & Don'ts

- Stir the contents well before using.
- Do not add raw tap water in base coat and top coat for dilution .as both coatings are ready to use.
- If difficulty is seen in applying by brush, add 50ml/ltr ratio R/O water for dilution Don't use any tap water as it changes properties of coating.
- Use goggles, hand gloves for personnel safety when using these coatings.
- Protect your Eyes from chemical of these coatings. As it may highly irritating in eyes, wash eyes with plenty of water. If not cured go to doctor.
- For Cleaning Brush and hands use water only.
- Protect from reach of children.

FOR MORE DETAILS: - VISIT WWW.AMEETUFF.IN

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