

PROTEKTA TIP

USES

- It provides Thermal Insulation
- Barrier against early water penetration
- Increases cohesive strength thus giving durable coatings
- Provides flexibility
- Improvement in flexural strength
- Increases the durability and impact resistance
- Protects concrete and reinforcing steel
- This is a ready mix to use on the roof for Thermal Insulation of the buildings specially roofs

DESCRIPTION

Thermal insulation for buildings has been known since long and is one of the serious requirements more because of the climatic conditions in India. Moreover we in India need any new system, which can contribute in saving energy.

Normally we use surkhi as insulating material which has not produced any results and in some buildings Thermocol has been used for the same purpose but once the concrete or the mortar surface develops cracks the water enters and gets absorbed by Thermocol, which becomes detrimental to the life of the building.

Since last few years' lightweight micaceous minerals like Vermiculite have been used. Thermal Conductivity of Vermiculite Insulation product is around .053-.056 at 70^oCentigrade. The problem with this product is that it is very porous in nature and absorbs water and therefore has to be waterproofed, moreover it is soft, and laying of tiles over it is preferred.

DEVELOPMENTS BY TECH-DRY (INDIA) PVT. LTD.,

In consideration to the above limitations we at Tech Dry (India) Pvt. Ltd., have developed a product known as Protekta TIP:

Protekta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS can be provided.

Warranty

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. It does not represent a guarantee of the properties of the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Thermal Insulation plaster/render for thickness up to 20-30mm. Suitable for exterior applications. Available as ready to use by mixing necessary amount of water.

APPLICATION

- Protekta TIP is now supplied as ready to use and this plaster is laid with 30mm thickness. The enclosed *graphic presentation* and *table* given with other insulation building materials would confirm to you the superiority of the product.
- The additional coat of 1-2mm thickness using *Protekta KP* would enhance the Thermal Insulation of the building in a very significant way.
- Protekta KP makes the *surface Trafficable*.
- On top of Protekta TIP surface we recommend 2mm coat of Protekta KP where the coverage is *15-20 sft per ltr*.
- Option available *for roof*: You can use Protekta TIP with a coat of *Protekta-P* over it and *for walls* you can use Protekta KP but needless to say the combination of two definitely gives you better *Thermal Insulation*

TECHNICAL DATA

The Thermal Conductivity of Protekta TIP (LW): At 47^oC mean temperature: *0.038 Kcal/hrs/m2/C*

COVERAGE: 1.5kg for 1 sq.ft (1" thickness).

SHELF LIFE: 6 months in a closed uncontaminated container and should be used before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice.

STORAGE: To be stored in closed containers in a cool place and prevent from extremes of heat

HEALTH & SAFETY: Non-Hazardous, Non-toxic, Non-flammable

TECH-DRY (INDIA) PVT. LTD.

BUILDING PROTECTION SYSTEMS

769, Ground Floor, I Cross, I Stage, Indiranagar, Bangalore -560038

Tel: (080) 25255294 / 25255406 Fax: (080) 25289159

E.mail: techdry@touchtelindia.net