

Cold Applied Clay Type Emulsion for Insulation Protection

DESCRIPTION

CATIONIC BITUMEN EMULSION is water bound clay type emulsion processed from suitable grade of bitumen and inert fillers for insulation protection supplied in smooth paste consistency.

USES

It is used to render adequate protection to insulation against moisture and accidental damage thereby preventing heat losses and increasing insulation efficiency.

It is used to maintain insulation dry owing to **its unique vapour barrier property**. It is used on heated lines, vessels and equipment in intermittent or dual temperature service to prevent dampness in the insulation during off periods or cold cycles.

ADVANTAGES

It protects insulation from chemical attacks of mild acids & mild alkalis. It provides seamless protective barrier and forms tough film that protects insulation from ravages of weather **protecting it from moisture**, water, chemical spillages, etc.

Unique plastomeric property accommodates movement stresses and enhances resistance to vibrations, accidental shocks and thermal cycles. In the wet state, it is non- flammable and inert for worker safety. Its thixotropic consistency yields smooth finish on rough substrates Being water based, it contains no harmful solvents that will attack insulations or facings.

PHYSICAL PROPERTIES

Appearance	:	Light Brown
Drying Time	:	< 3 days
Dry Film Thickness	:	6 mm in two coats
Specific Gravity	:	> 1.00
Service Temperature	:	> 150°C

SURFACE PREPARATION

The surface to be treated should be thoroughly cleaned to remove loose dust, foreign particles, oil and other contaminants

APPLICATION INSTRUCTION

Prior to application of CATIONIC BITUMEN PRIMER care should be taken to see that the insulation carried out on the pipes/vessels is absolutely firm & intact.

To obtain proper bonding, dusty & porous surfaces should be primed with CATIONIC BITUMEN EMULSION diluted with water maximum in 1:1 ratio (based on required consistency). Allow primer to dry.

CATIONIC BITUMEN EMULSION shall be applied over insulation in two applications to required thickness by brush or trowel. The second coat shall be applied perpendicular to first coat after 24 hrs of application of first coat. Care should be taken to ensure void free finish. To obtain smooth surface and for easing the application, brush / trowel may be made moist with water from time to time.

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Necessary precaution should be taken after application to avoid damage to the applied CATIONIC BITUMEN EMULSION coating. During initial setting, coating exhibits plasticity and indentation marks on pressing. The applied coating will attain hardness in < 7 days and will resist indentation thereafter.

After the second coat has reached initial set, coarse sand / crushed stone chips shall be spread uniformly as protective course.

Use warm soapy water for cleaning tools and equipment used for applying CATIONIC BITUMEN EMULSION. Once dried tools can be cleaned with any aromatic solvent to remove adhered material.

SUPPLY

CATIONIC BITUMEN EMULSION is supplied in standard pack size of 20 Kg Drum and 200 kg. Barrel.

STORAGE

CATIONIC BITUMEN PRIMER must be stored under the covered shed and protect from extremes of temperature. Keep container close when not in use

SHELF LIFE

Shelf life is 12 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging

Quality Assurance

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

HEALTH & SAFETY

CATIONIC BITUMEN PRIMER is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.