



PRODUCT Nº .: 4198

TECMA PAINT TERMIC FARENHEIT 10.8

WATERPROOFING ISOLATING COATING FOR ROOFS

INTRODUCTION:

After long years of research, the R+D+I department in **INDUSTRIAS QUÍMICAS SATECMA, S.A.** launches an acrylic coating with ceramic particles which can be used as a last generation new and efficient both thermal isolating and waterproofing agent. It's a waterproofing agent for any type of roofs and supports which require an special protection, with two aims: getting watertightness and reducing indoor temperatures.

Our product, **TECMA PAINT TERMIC FARENHEIT 10.8** is perfect to protect roof decks and walls, lowering the temperatures under the coating, as in its formulation incorporates hollow spherical crystals of the same kind that NASA uses to create isolation shields, protecting this way the space aircrafts of high temperatures originated by friction when entering to the atmosphere. These granules reflect and disperse the heat waves.

DESCRIPTION:

Water dispersion coating that incorporates hollow spherical particles of non porous glass of high purity and resistance. Once it is dry the product becomes a waterproofing and thermal isolation membrane. It is designed for its application on roof decks. Thanks to its isolating effect that generates under the treated surfaces, between 6° C to 8° C of difference between the interior of the surface respect to the exterior (and 14° C to 16° C in case of metallic surfaces), the temperature is remarkably decreased in the interior of the building improving the yield of the air condition equipments and cooling systems. When applied in environments with air condition equipments, the energy consumption is reduced, so Money expenses are reduced. The properties of the coating are based in the isolation power generated by thousands of hollow spherical glass particles in combination with fillers and resins of last generation, creating a real thermal isolation coating. These particles are compacted ones with the others generating an homogeneous and voluminous coating of very low thermal conductivity that creates a membrane that will protect the roof deck surface. This way, it is produced a difference of temperatures between 6 and 8°C under the roof deck creating a more comfortable environment that improves the production of live stock combating the thermal stress that causes mortality in the animals and low productivity.

TECMA PAINT-TERMIC FARENHEIT 10.8 creates an elastic membrane that allows the natural dilatation of the surface on which it is applied, without cracking. It allows the ultraviolet rays and deadens the damage that water and wind may cause. It also reduces the damages produced by corrosion and oxidation, proportionating a clean appearance and extending the life of metallic roofs. In winter time, the isolating coating allows to keep a 25% to 30% more of heat in the interior, under the roof deck. This way, it acts giving an effect cool-heat.



CHARACTERISTICS:

Nature	: Polimeric dispersion
Bonding	: Perfect on a large range of supports: mortars, concrete, asphalt membranes, galvanized steel sheets, fibrecement, etc.
Dilutant	: Water
Recommended yield	: 1-1,5 kg/ m ² , aprox. in several coats
Application	: Brush, roller, airless gun
Drying time at 20°C and 55% R.H.	: 1 hour touch – Repainting minimum 6 hours
Colours	: White
Flammability	: Non flammable

PROPERTIES:

Important isolating coating. It allows the natural breathing of the supports. It reduces the temperature under the roof decks in 6 to 8° C (14 to 16° C in case of metal roofs). In winter time, it keeps a 25% to 30% more of heat compared to buildings not protected with this isolating product. Excelent exterior durability. Waterproofing, it doesn't crack with thermal dilatations.

APPLICATION FIELDS:

Roofs and terraces made of fibrecement, tiles, metal sheets, mortars, etc. Buildings, industrial warehouses, storehouses, Live stock granges of poultry, sheep, pigs or cows, exterior roofs of transport vehicles such us trucks, buses, caravans and all those places where it is of interest to eliminate the heating of the roof or of the terrace and low the temperature under it in a quick and economical way.

SURFACE PREPARATION:

The surface should be dry and clean without greasse, oil, loose particles, dust or any other pollutant. In cementitious supports it should be eliminated by mechanical means or chemical attack with **DESCA-2F**, rinsing afterwards with plenty of water. In metallic supports, eliminate rust by a deep brushing and apply **TECMA PAINT OX** to improve the bonding and the anticorrosive properties.

If the surface is polluted with algae, fungus or moss it must be washed previously with our product **BACTA OFF**, rinsing the surface and letting it dry. In the case of cementitious supports some rugosity and porosity is necessary to allow a good bonding of the coating.

METHOD OF USE:

In the case of cementitious surfaces, apply a first coat diluted with 10-15% of water that allows that the coating penetrates into the support.



For any other kind of support such as metallic sheets, etc., the product should be applied pure in at least 2-3 coats. It is recommended the yield of 1-1,5 kg/m² for a perfect thermal isolation and waterproofing, in several coats.

SPECIAL RECOMMENDATIONS:

- Do not apply with temperatures under 10° C or with relative moisture superior to 80%.
- Do not apply, in the exterior, if rain is forecasted before product is dry (minimum 6 to 8 hours)

BENEFITS:

- It waterproofs
- It lows the temperature under roofs and terraces in 6 to 8° C (14 to 16° C in case of metallic sheets)
- The great solution for poultry granges and other granges
- Saving of energy cost up to 40%
- Easy to apply
- It does not release smells, it does not contains solvents
- Long life
- It reduces the expenses of air condition systems
- Perfect for water pipes
- It prevents corrosion and oxidation giving a clean appearance and extending the support life when applied on pipes or sheets.

PACKAGING AND STORING:

TECMA PAINT-TERMIC FARENHEIT 10.8 is packaged in plastic pails of 10 and 20 lt. The product will be stored in a cool place and protected from frost, not exposing it to high temperaturas. The product packaged in the original pails hermetically closed can have a store life of six months.

Our product **TECMA PAINT-TERMIC FARENHEIT 10.8** is produced just and exclusively by **INDUSTRIAS QUÍMICAS SATECMA, S.A.** according to the Standards ISO 9.001:2000 and ISO 14.001:2004.

**The information in this technical data sheet as well as the recommendations, both oral or written or coming from tests carried out in our laboratories or by third parties, are given in good faith based on our experience and on the tests results but the are not a guarantee. Our recommendations do not exempt from the responsibility of deeply knowing the uses of the products to be used before using it and of carrying out previous tests when having any doubt of the suitability of the product for any use. The application, use and handling of any of our products is out of our control and son is under the responsibility of the person who is applying it. So, it will be responsible the person who uses the product without considering the above mentioned instructions. **

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