

## TEMP-COAT 101 APPLICATION INSTRUCTIONS

It is recommended to carefully find out about the circumstances around the object to be insulated: the surface temperature and its variation during the use (maximum and minimum), highest possible temperature inside the object (temperature of the steam, smoke etc.), the temperature in the neighbourhood, ventilation, mechanical stress etc. If You are not sure about how to analyze the situation, please contact + 358-40-969 1007.

1. Open the pail by cutting holes in the cover where the arrow signs are
2. Press the crust slowly with a clean wooden stick or paint mixer so that the fluid in the bottom comes up to the surface. Mix the crust and fluid slowly together 3-5 minutes so that it creates a creamy consistency. Mix slowly, max 50 rpm.  
**IMPORTANT:** the mixing has to be done according to the instructions to reach a good result. If the product is mixed with an electric drill to fast, the Temp-Coat properties (like adhesiveness and insulation ability) are weakened. Temp-Coat 101 consist of ceramic hollow glass beads that can be damaged if mixed to fast. If there will be longer breaks in the work, the mass has to be mixed again so that the viscosity of the mass remains the same during the whole working period ( the mixed mass separates in less than an hour so that the liquid goes to the bottom and the crust to the surface)  
**Don't add water or other solvents to the product!**
3. Temp-Coat is sprayed with an airless, piston type of high pressure sprayer, 5.4 GPM, 28:1, 0.015-0.021" tip size. Optimal spraying distance is 30 cm. The layers should be thin, about 0,3 mm and every layer must be completely dry before the next layer is sprayed. In room temperature and normal ventilation it takes 24 h to dry. If the object is mechanically difficult like thin and small object, Temp-Coat 101 can be applied with brush or roller. It is extremely important that the layers are thin (about 0.3 mm) and completely dry before next application.
4. If Temp-Coat 101 is applied on a hot surface (>50° C), the drying time may be shortened to 15 minutes. Even then it is important to let the layer to dry completely to avoid blistering.
5. If a too thick layer is applied, the adhesiveness, drying and insulation properties are weakened. The surface to which the product is applied, must be free from grease, oil and dirt. The cleaning can be done with pressure washer or sand blasting.
6. If the surface to be insulated is exposed to condensate or the material is rusty, a proper primer can be applied. Good results have been gained with Triumph 303 on rusty surfaces (which even don't need sand blasting) or Last-a-Span elastomeric if the temperatures are low (<70 °C)
7. The surface on surrounding temperature must be +10...+200°C during the whole drying period. When the product is dry, the temperature may vary -50...+200 °C. If the surface is hot (>+100°C) when applied, the first layer must be very thin, to avoid blistering. The drying time is then less than 5 minutes. On hot surfaces glass fibre cloth can be used to improve mechanical strength, adhesiveness and the ability to stand heath.
8. The sprayer, brushes and rollers can be cleaned with water. Temp-Coat 101 is latex-based and water soluble.
9. Temp-Coat 101 can be used from an opened pail several times. Close the cover carefully between the uses. Don't remove the paint from its original container.
10. The storage time is one year.
11. Temp-Coat 101 can be tinted almost any pastel color with conventional latex tint available from the local paint store. The insulated surface can be painted with practically every type of paint.

\*THE PRODUCT MAY BE APPLIED ONLY BY A TRAINED PERSON.

\*STORE THE PRODUCT IN A DRY PLACE, TEMPERATURE +10..+40 °C, DON'T EXPOSE TO A LONG DIRECT SUNLIGHT

\*THE PRODUCT MUST BE PROTECTED FROM FREEZING

Please don't hesitate to contact for more information.