

## **SURFAPORE THERMODRY ENERGY SAVING/ THERMAL COATING ON TERRACE OF COGNIZANT TECHNOLOGY SOLUTIONS AT SIRUSERI, CHENNAI**



**Cognizant is a leading provider of information technology, consulting and business-process outsourcing services. CTS, Sipcot, Siruseri is one of the many offices having a built-up area of 2 lacs square feet. Larsen & Toubro Ltd, ECC division, Chennai was the total turnkey contractor for the project.**

**Surfapore thermodry mixed with an acrylic emulsion was applied on the terrace cement tiles for an area of 1.7 lacs square feet. Surfapore thermodry was used in this application in order to receive the Green building LEED certification since the SRI (Solar reflectance index) achieved was 84.**

**Terrace Surface temperature in ° C achieved**

<b>Tile without coating</b>	<b>63.4</b>
<b>Tile with 1 coat</b>	<b>46.6</b>
<b>Tile with 2 coats</b>	<b>41.4</b>

## **SURFAPORE THERMODRY THERMAL/ENERGY SAVING COATING AT VARIOUS PLACES**



**Lots of customers at Chennai have used Surfapore thermodry mixed with an acrylic emulsion paint for coating the terrace to save energy and reduce heat inside the building. There is a difference of more than 20° C on the surface before and after coating. Surfapore thermodry is a thermal insulation coating which not only reflects more than 93% of IR rays but also cuts the thermal conductivity by 4 times.**

## **WATER LEAK PROBLEM & FOR HEAT REDUCTION AT ASHOK NAGAR**



**The problem faced at Ashok Nagar was water leak from terrace and they wanted heat to be reduced inside the office. First the clay tiles were cleaned of algae etc by using water and Desalin C. Then all the cracks, broken tile joints were plastered with cement mortar mixed with Surfamix C. Then the joint between the parapet wall and terrace (coving) was plastered with cement plaster mixed with Surfamix C. Then 2 coats of Surfapore thermody additive mixed with exterior acrylic emulsion paint was applied for heat reduction and water repellancy.**

## **Surfapore thermodry Energy saving coating at Chennai Metro Rail Ltd, Koyambedu**



**Chennai Metro Rail Ltd (CMRL) at Koyambedu  
built by Larsen & Toubro Ltd (Contractor)  
approved and applied our Surfapore thermodry  
coating mixed with exterior emulsion paint on their  
terrace for green building certification and  
conserving the energy consumed by AC.**

## **Water leak problem and energy saving coating at Viveks at various places**



**Viveks had various types of leak problems at their showrooms. One place the terrace was coated with Surfapaint thermodry cool roof for 100% water leak protection and energy saving. At another terrace the old cement plaster was removed and a new zero chips concrete was laid using Surfamix C and Surfapore C. In various restrooms we used Surfamix C, Surfapore C and Surfapaint stone varnish for the tile joints to arrest the leak.**

## **Water leak problem and energy saving coating at TVS bungalow in Boat club**



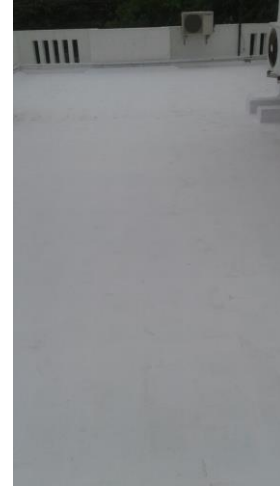
**TVS Bungalow at Boat Club Road had leakage problems. The terrace was cleaned and all the cracks of tile joints was widened, Surfamix C primer applied and plastered with cement mortar mixed with Surfamix C. Then at some places Surfapaint thermodry cool roof was applied for water proofing and energy saving.**



## **Thermal insulation for AC Bus roof top**

**Trans ACNR is a company which fits air condition for buses and Rathi Meena is one of the big bus operator in Tamil Nadu. Both of them are using our Surfapaint thermodry elastomeric on their bus roof top to reduce the load on AC and thereby improve mileage. There was a drop of 13 degree C in the temperature of the roof inside the bus before and after nano coating.**

## **Water proofing & heat reduction coating for terrace at Adayar**



**At Karpagam Gardens Adayar in a flat of an area of 4000 sft the terrace was leaking. First terrace was cleaned and the at all tile joints and places where tiles were broken Featherplast was plastered. Then 2 coats of Surfapore thermodry mixed with exterior emulsion was applied.**