

## PRODUCT DESCRIPTION

GS 104<sup>®</sup> is an excellent energy conserving elastic membrane designed for roof coating and substrates requiring weather protection. Its membrane of water-based acrylic resin system is filled with minute heat shield cells which act as a thermally resistant blanket covering the whole treated structure. When applied, the Ultraviolet and heat rays are reflected and emitted from the surface, reducing the thermal conductivity between the substrate and the coating. Hence, roof surfaces treated with GS 104<sup>®</sup> can experience interior temperature reduction up to 25%. This roof coat also has excellent dirt pick-up resistance and is able to retain elasticity even after aging.

## AREA OF USE

GS 104<sup>®</sup> is mostly used as a roof coating. However, it may also be applied as:

- Coatings for roofs, terraces and balconies.
- Waterproofing membrane under indoor or outdoor tiling, e.g. kitchens, bathrooms, etc.
- A protective layer for water tanks, reservoirs, etc.
- A sealant for hair-line cracks.
- The external waterproofing membrane for underground concrete structures, e.g. tunnels

## ADVANTAGES

- Excellent thermal insulation (interior heat reduction: 20 – 25%)
- Elongation at Break : 400%
- Inexhaustible flexibility
- Able to absorb thermal shock and vibration
- Variable Permeability
- Good Adhesion to variable substrates
- Good Sealant for cracks
- Good Chemical Resistance

## APPLICATION

### Surface Preparation

All surfaces must be clean and free from laitance, dust, dirt, oil and grease. Surfaces should be power washed prior to coating without damaging the roof or cause leaks.

## Colouring

Tinting may be achieved with by adding universal colorants. Darker colours will give lower reflectivity.

## Applying GS 104<sup>®</sup>

GS 104<sup>®</sup> can be applied by roller, airless spray or brush. GS 104<sup>®</sup> should be applied on touch dry between coats.

## Cleaning

Clean equipment with soapy water followed by rinsing with clean water. Flush mineral spirits through spray equipment to prevent rust.

## CURING

45 minutes (The coating should no longer be susceptible to airborne dust and will not run in the presence of 50% relative humidity at 24°C).

## INSULATION

Reflectance of 81.4% - Emittance 93% - Thermal Conductivity of 2.3 W/mK

## NOTES

Do not apply GS 104<sup>®</sup> if weather is imminent before the coat is dry through, or when temperature is expected to drop below 4°C.

## PACKAGING

20 Litres per pail.

## SAFETY INFORMATION

GS 104<sup>®</sup> is a flammable product. Keep away from ignition sources. Storage, handling and transport must be carefully observed for this product.

Do not smoke in work area. Ensure sufficient ventilation is available.

Avoid skin and eye contact. Safety goggles and gloves should be used during application. In case of skin contact, wash areas with soap and water. In case of eye contact, rinse thoroughly with clean water. Consult a physician if irritation persists.

Dispose off used drum or waster according to local regulations.

**GREENSHIELD<sup>®</sup> (INDIA) CONSTRUCTION CHEMICALS PRIVATE LIMITED**

No. 12, Ground Floor, Sai Dham, Plot No. 112, Sector – 6, Sarsole, Nerul (W), Maharashtra, India – 40706

Tel. +91-22- 32988 6322 / 2770 0348 Fax. +91-22- 2770 0359 / 2771 5276

URL: [www.greenshieldindia.com](http://www.greenshieldindia.com) E-mail: [info@greenshieldindia.com](mailto:info@greenshieldindia.com)