THE BENEFITS OF USING REFLECTIVE

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Solmax Reflective Geomembrane is manufactured using the state-of-the-art tri layered co-extrusion technology. Its consistent reflective skin layer is homogeneously produced from premium resin with pure white pigment that consists of superior U.V. stabilizers that significantly enhances the geomembrane performance properties in all critical aspects.

MAIN BENEFITS

The key to the improved performance properties of Solmax Reflective Geomembrane lies in the consistent white skin layer of the geomembrane that reflects sunlight away from its surface thus resulting in the significant reduction of radiating heat as well as lowering the damaging effect arising from U.V. irradiance. The improved performance properties are:

- Enhance liner durability with superior U.V. stabilizers and reflected U.V. irradiation;
- Reduction of liner temperature:
  - Increase liner life expectancy;
  - Reduction of clay desiccation;
  - Lower liner thermal expansion / contraction;
- Lesser geomembrane wrinkles due to lower thermal expansion serves to:
  - Improve composite barrier system impermeability through better intimate contact;
  - Facilitate better liner weldability;
  - Reduce chances of damage arising from backfilling over liner;
- Lesser geomembrane contraction serves to:
  - Reduce stresses on liner arising from significant temperature changes between noon and night;
- Efficient identification of defects on liner surface
APPLICATIONS

Solmax Reflective Geomembrane is ideal for the following critical containment application:

- Waste Management (Primary lining system)
- Mining (Waste water treatment pond, Tailings dam, Dry residue storage area)
- Energy (Evaporation pond, Floating covers, Coal ash containment)
- Water Resources
- Architectural
- Containment systems exposed to high U.V. irradiation

TESTIMONY

“Personally, I found your Reflective liner to be of a very high standard. In the past, we have always used another manufacturer’s Reflective geomembrane but I think your Reflective is a lot better and easier to weld. On previous stages, the Reflective liner was varied in colour but as you can see from the pictures attached, it is all uniform in colour. Great product.”

“Of all the reputable geomembrane manufacturing plant that I audited, Solmax has the best facility in the Asia Pacific region. This is why Solmax is our preferred geomembrane supplier.”