

Dry Tech Aerogels Coatings



Dry Tech Aerogels (Pty) Ltd

Dry Tech Aerogels (Pty) Ltd manufactures the Aerogels range of products in Port Vanderbijlpark where it's been tested over time in severe conditions with outstanding success. We pride ourselves on the quality and consistency of our coatings and have a single manufacturing unit where stringent quality control is enforced. Our coatings boast of phenomenal qualities and characteristics, continually improved by our development and research team which ensures that we always incorporate the latest technologies. The company is managed professionally and based on the utmost ethical principles. We value our relationships with clients and trust that you will have a positive experience with Dry Tech Aerogels. We look forward to your feedback and comments.

Discover Aerogel Coatings

Dry Tech Aerogels most revolutionary characteristics and ability to meet industrial performance demands whilst posing no threat to the environment have positioned the company at the forefront of the **Eco Friendly Coating** industry by using aerogels, the world's best insulation material, indestructible property, can penetrate any substrate and therefore have no "glue", it loves corrosion by using it to even further penetrates the substrate. This technology was used on NASA's Discovery space programme.

Benefits of Aerogel Coatings

the zero volatile organic compounds (V.O.C.) environmental maintenance technology (E.M.T.) range of products is a water-aerogel bond range of extremely penetrable waterproofing and protective coatings of high aerogel density.

A rather revolutionary technology combining ancient and modern aerogel technology resulted in the world's first technology to deliver highly durable maintenance products free from volatile organic compounds, the dangerous and harmful compounds that are emitted by the uses of paints, waterproofing materials and other maintenance products. These V.O.C. components in them hold a serious threat to the environment and inhabitants of the world.

Dry Tech Aerogel Coatings was developed over a period of more than 20 years in Germany. In fact aerogels was discovered in 1931 by Samuel Kistler but could only be developed to use it in other products by NASA during their space programs. This most revolutionary research resulted in maintaining products for the lasting protection of literally any surface, especially at a time of environmental concern. It's most revolutionary characteristics, the ability to meet industrial performance demands, whilst posing no threat to the environment.

- This product exclusively made from the world's finest materials, offer affordable premium quality multi-purpose maintenance coatings, which are application and environmentally safe and user friendly. These products are non-toxic, non-hazardous, and non-flammable, making a safe workplace; warehouse, storage, and transportation with simple water clean-up. Penetrating water bond polymers allow for finished coatings within 60 minutes, thus speeding production. Ideal for industrial, commercial, and marine applications where downtime or set up is expensive. Dry Tech Aerogel is a one coat system and do not need under coats.

The products are designed to provide a highly durable, elastic, and attractive protective coating on practically any surface.

Unless otherwise indicated, the products can be applied with brush, roller, or spray.

Dry Tech aerogel Coatings is non-flammable, totally waterproof, resistant to oil, petrol, wax crayons, ball point markings, ultra violet rays, extreme temperatures of both plus and minus, acids and fungus growth. (Completely hydrophobic)

The products can be applied to old and new galvanised roofs, plaster, brick, stone, cement, asbestos, concrete, fibre, glass, water tanks, aluminium, polystyrene, vinyl, cloth, paper, canvas, cardboard, vehicles or virtually any surfaces what you wish to paint. Our Rust Grip will encapsulate asbestos and a guarantee of 20 years is offered.

Characteristics of Dry Tech Aerogel Coatings:

- zero VOC's. (Volatile organic compounds) 0.04368kg/l
- adhesion (class 0, no failure)
- water/aerogel bond
- reduction of temperatures by 20 to 30°C, depend on the layer thickness.
- semi-permeable membrane
- acid resistant
- alkaline and stain resistant
- fungus resistant
- ultra violet and weathering resistant
- waterproof
- water carrier
- anti-condensation
- abrasion resistant
- colour & light fast, does not fade
- rust preventative
- creep and impact resistant
- flexibility – (up to 150%)
- extremely scrubable
- non-toxic
- easy application even by unskilled labour
- low overall cost
- one paint for all surfaces (industrial, household, mining, etc.), agriculture, walls, metal, wood, concrete, etc.
- economic – cost effective
- fire retardant up to 8 hours, depend of the layer thickness.
- life expectancy 20 years +
- shelf life of 2 years + (when well sealed)
- one paint for all surfaces (industrial, household, mining, etc.) , agriculture, walls, metal, wood, concrete, etc.
- clean up with water
- clean ability (very good)
- dries quickly
- will never harden
- odourless
- no blistering
- no flame spreading