



Dry Tech Aerogels (Pty) Ltd

*The right coating for ultimate insulation.*

**Aerogel Products and Integrated Service Provider Leader in Energy Conservation and Environmental Protection Innovative Technology**

## Technical Data Sheet

### Elementum Poly Grip Coating (Prod Code Aer024)

**Description:** Elementum Poly Grip Coating is a two part Polyurethane, aerogel epoxy and come in a clear or any colour. It is a uniquely hard, hydrophobic and durable coating, which demonstrates unsurpassed semi-gloss and colour retention, as well as chalk resistance when used in exterior applications. It is resistant to water and humidity, stains, acids, solvents and chemicals. It has a tremendous scuff, mark and impact resistance. It is a self-levelling coating.

**Typical uses:** Architectural solutions; Maintenance that require utmost in exterior durability; as a top coat for Elementum Rust Protector and Elementum Moist Grip; Floor covering where a tough, long-lasting finish is required; very good alkali and acid resistance; anywhere a solvent based UV resistant top coat is required; easy to clean; always dry.

**Application methods:** Elementum Poly Grip can be used on metal, concrete, masonry, wood and other substrates. The application can be done by brush, roller or airless spray gun. **Note:** Don't coat within 50mm of chlorinated rubber. **Note:** Never use mineral spirits to prep or thin the product.

**Minimum Spread rate:** (mil thickness)

**Porous Surfaces:** Apply one coat to absorb into the substrate. Apply additional coat 8mils wet/4 mils dry, each application. Coverage: 5m<sup>2</sup>/litre.

**Non-Porous Surfaces:** Apply one coat of Elementum Poly Grip 8 mils wet/4 mils dry as an architectural coating, apply another coat where you may have machine and foot traffic, like floors, handrails etc. Coverage: 6m<sup>2</sup>/Litre.

#### Physical Data

- Reacted solids white – by weight 64%/By volume 49%
- Reacted solids clear-By weight 44%/By volume 39%
- Viscosity 310-460
- Tack free at 30 – 60 min at 21°C.
- Overcoat window three hours at 21°C
- Average Perms: 0,6809
- Cures by chemical reaction
- Aliphatic Polyurethane
- Shelf life 3 years providing it is un-opened under appropriate conditions.
- Impact resistance: 250 psi
- Mix ratio: 3 parts base/1 part curing agent
- Pot-life: 3 – 6 hours at 21°C, 1 hour at 35°C
- All colours available
- Max surface temperature when apply 65°C
- Min surface temperature when apply 5°C

**Safety Precautions:** Take all appropriate safety measures to prevent property damage or injuries. See Safety Data Sheet.

**Keep out of reach of children.**

*Limitation of liability: The information in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. Dry Tech Aerogels have no control over either quality or condition of the substrate affecting the use of the product, therefore Dry Tech Aerogels does not accept any liability arising from loss, injury or damage resulting from such use for the contents of this data sheet.*