

## Acrylic Clear Alkyd Impregnation Enamel Sealer Protection for Concrete, All Types of Natural Mineral Stone/Slate & Masonry

**Type: Solvent Base, Liquid Form**

### Characteristics

**Top Gard TA66**, is a solvent base acrylic alkyd enamel concentrate that is based on modified organic solvents. Serve as high-quality general purposes water repellents (hydrophobic) for impregnating enamel sealer and priming mineral and highly alkaline substrates.

### Features

- \* Good Depth of Penetration & Stop Diffusion of Vapour
- \* Marine Environment
- \* Excellent Protect of Chloride Attack
- \* Excellent Protect of Freeze Thaw Cycles
- \* Excellent Protect of High Alkaline Resistance
- \* Tack-Free Drying
- \* Effective even on Damp Substrates
- \* Water Repellency Develops Fast

After application **Top Gard TA66** reacts with the atmosphere moisture or pore water in the substrate, thereby generating the active ingredient while liberating alcohol. The active ingredient greatly lowers the water absorbency of the substrate. Since neither pores nor capillaries are clogged, the substrate retains a very high degree of water vapour permeability.

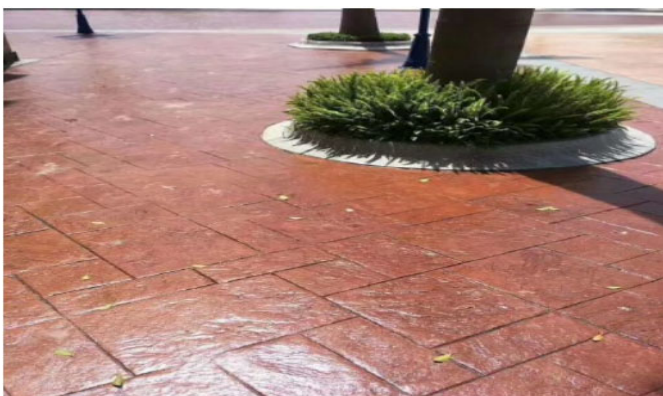
### Uses

**Top Gard TA66** is suitable for imparting water repellency to absorbent, porous, mineral construction materials,

- \* All kinds of concrete for Buildings, Reservoirs, Jetties & Bridges
- \* Brickwork Surfaces
- \* Mineral-based natural and artificial stone
- \* Aerated concrete
- \* Sand-lime brickwork
- \* Cement fiberboards
- \* Mineral paints
- \* Cement sand or mineral plasters

**Top Gard TA66** is also suitable as primer for exterior paints.

**Top Gard TA66** is not suitable for rendering gypsum water repellent.



**"Top Gard TA 66" Protection Coating**



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# Top Gard TA66

## Acrylic Clear Protection Coating

**Surface Preparation** The surface to be applied with **Top Gard TA66** shall be free of dust and dirt. Lime efflorescence, salt and paint remnants, etc must be removed, preferably by high pressure water-jet, hot water or pressurized steam. Detergent cleaning is not recommended as if detergents are not removed completely, they can adversely affect the water repellency effect. Acid or alkali cleaning is also not recommended because of the risk of damaging the mortar joint or formation of salts which would lead to efflorescence.

The best impregnation effect is achieved on a dry, very absorbent surface, although **Top Gard TA66** can also be successfully employed on slightly damp surfaces (moisture content should not be more than 10 % by volume).

If there are joints to be filled on concrete surfaces which have been impregnated with **Top Gard TA66** for example precast concrete elements, adhesion to these penetrable surfaces will not be impaired. The relevant primers must always be used, followed on with suitable sealants, for example Flex Joint V or Flex Joint H.

### Technical Specification (2 Grades)

<b>Product Data</b>	<b>Top Gard TA66</b>	<b>Top Gard TA66 HP</b>
Appearance	Colorless	Colorless
Silane / siloxane content ,approx (%)	1.00	>8.00
Specific Gravity at 25 °C, approx g/cm <sup>3</sup>	0.92 (±0.01)	0.92 (±0.01)
Viscosity at 25°C, approx (Mpas)	70 (±10)	67 (±10)
Flash point, (DIN EN ISO 2719) approx (°C)	80	65
Reduction of water absorption (%)	90.50	97.50
Water absorption (%)	<9.50	<2.50
Water vapour transmission (%)	>100	>110
Penetration Depth (Concrete G 30) (mm)	>1.01 (±0.4)	>1.75(±0.2)
Salt Scaling (Concrete G 30) (g/m <sup>2</sup> )	12.2 (±0.3)	12.2 (±0.1)

### Top Gard TA66, Consumption of Material / Coverage

Concrete	(liter/m <sup>2</sup> )	0.15 – 0.25
Cement Plaster	(liter/m <sup>2</sup> )	0.15 – 0.40
Sand-Lime or Clay Brick	(liter/m <sup>2</sup> )	0.15 – 0.40
Aerated Concrete	(liter/m <sup>2</sup> )	0.15 – 0.40
Cement Fiberboard	(liter/m <sup>2</sup> )	0.15 – 0.30
Natural Stone	(liter/m <sup>2</sup> )	0.15 – 0.25

*These figures are intended as a guide and should not be used in preparing specifications.*

# Top Gard TA66

Acrylic Clear Protection Coating

<b>Packaging</b>	<b>Top Gard TA66</b>	20 liter Pail, 5 liter Tin
	<b>Top Gard TA66 HP</b>	20 liter Pail, 5 liter Tin

**Safety Information** Detailed safety information is contained in each material safety data safety sheet, which can be obtained from our sales offices

**Storage** **Top Gard TA66** has a shelf life of at least 12 months when stored between 30 °C in the lightly closed original container. The containers must be protected against direct sunlight. The "Best use before end" date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

### Handling Precautions

Wash off any silicone concentrate on the skin with plenty of water before it dries. During mixing and application ensure adequate ventilation since the silicone component contains active ingredient which is volatile and may cause eye watering in confined spaces. Avoid generation of airborne dust during mixing. Top Gard WR 290 silicone contains more than 10% Silane/siloxane and, therefore, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed:- Avoid contact with the skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children.

**Important 1:** While the information and data sheet contained in this promotional literature are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order acknowledgement. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data sheet are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data sheet or products can be used without infringing patent of third parties.

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**Health & Safety** Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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