



JIANGXI HITO SILICONE MATERIALS CO.,LTD

No 6 Tianhong road,Xinghuo

industry zone,Yongxiu,

Jiujiang,Jiangxi province,China

(86)792-3170326(Tel) (86) 792-3170355 (Fax)

TECHNICAL DATA SHEET

A-312

n-Dodecyltriethoxysilane

**DESCRIPTION**

A-312 is an efficient permeable silane waterproofing agent with active ingredients. It has good permeability, good waterproof, and the unique structure of small molecules with excellent penetration ability, which can penetrate into the base surface to form a hydrophobic three-dimensional silicone network structure for a long term, but not form a film layer on the substrate, not change the color of the building surface, and not affect the breathability of the building. It has excellent chemical resistance, aging resistance and wear resistance, and long protection life. It can give the effects of excellent hydrophobicity, stain resistance, and self-cleaning to the surface.

**TYPICAL PROPERTIES**

|                  |                              |
|------------------|------------------------------|
| Appearance       | colorless transparent liquid |
| molecular weight | 332.5                        |
| Content %        | ≥85                          |

**USES AND APPLICATION**

A-312 is suitable for various waterproof protections, suitable for waterproof and anti-permeability of floor, wall, basement, tunnel and so on; suitable for waterproofing projects, such as reservoir, pond, bridges, highway runway, agricultural channels. And suitable for all kinds of underground tunnels, dams, dock and underground civil air defense; suitable for concrete construction waterproofing and seepage prevention of floor in the toilet, kitchen.

1, the age: the age of concrete is not less than 28 days, or concrete repair should be not less than 14 days.

2, the protective agent is brushed or sprayed evenly on the surface of the substrate, keep the surface of the substrate moist at least 5 seconds.

3, the maintenance : the substrate surface after protection treatment, should avoid flushing after construction, and dry 24 hours naturally, then, it can achieve waterproof effect.

**Notes**

1, the operation should wear protective equipment, if contact with eyes, rinse with water

immediately.

2, Contact test should be done before with other materials which may be exposed during construction, to confirm whether the adverse effects.

3, a large area before the construction, should do local test, to confirm the effect and the optimal dosage.

### **SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

### **STORAGE AND SHELF LIFE**

After sealing packaging products stored in a cool, dry place, A-312 (Unbroken package) has a shelf life of 12 months from date of manufacture. After the expiration date, we can retest it, and if it meets the requirement, we can still use it. A-312 is transported as non-hazardous chemicals.

### **PACKAGING**

**A-312** is available in 200 kg/1000 kg plastic drum.

### **LEGAL DISCLAIMER**

Hito chemical believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Hito Chemical, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.



is a registered trademark of Hito Silicone Materials, China.