

**PRODUCT DESCRIPTION**

Nano coating for gypsum and straw (NCG™) is a suitable product for sealing (water repellency), self-cleaning of gypsum and thatch surfaces. This product contains acrylic and silicone resins as well as waterproof nanomaterial. Nanomaterial is tiny particles with a diameter of 1 to 100 nanometers. Nanomaterial can cover surfaces micrometrically. Therefore, nanotechnology materials can be more effective than other materials. Nano coating for gypsum and straw (NCG™) is water-based, which has made the product environmentally friendly. This product is resistant to any environmental conditions. This type of material can be used to protect antiquities, to protect gypsum or thatch facades of the building or any part of the structure that is made of thatch and cement.

**PRODUCT FEATURES**

- Hydrophobic properties
- Dust-proof properties
- Self-cleaning properties
- NCG™ has very high coverage
- Ease of implementation
- Fast setting
- Suitable for gypsum and thatched surfaces
- Resistant to various weather conditions

**PRODUCT USES**

- Protection and sealing of gypsum or thatched surfaces of buildings.
- Protecting the walls from slogans (Due to their self-cleaning properties, paint stains can be easily removed).
- Protecting the walls from graffiti slogans (Due to their self-cleaning properties, paint stains can be easily removed).

**TECHNICAL DATA**

Colour	Matte silk
Density	1±0.005 gr/cm <sup>3</sup>
Drying Time	2 hours
Application Method	Brush, Spray

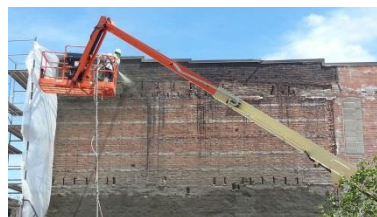
**HOW TO USE**

**SURFACE PREPARATION**

The surface must be cleaned of any contaminants such as grease, dust, paint, etc. before applying this product. Note that the surface must be completely dry.

**MIXING**

- Nano-coating for gypsum and straw should be diluted with water before use according to the instructions.
- The dilution ratio for gypsum surfaces is 5 times the volume of water.
- The dilution ratio for thatched surfaces is 5 times the volume of water.
- Water should be added slowly to the nanomaterial to dilute. A mixing rod can be used to mix the water with the product.



Nano Coating for Gypsum and Straw- NCGS™

- Do not use high-speed stirrers to dilute the material to dilute the foam.

**APPLICATION**

- The application of hydrophobic coating can be done using a brush or a spray.
- Spray or brush method can be used to apply nanocoating on the surface. Continue the process of applying the material to the surface until the surface is completely impregnated with the material.
- Ensure uniform application of materials to the entire desired surface.
- For best results, apply the second layer about 20 minutes after the first layer is applied to the surface.
- After 2 hours of application of nano-coating, the surfaces are dried and usable.

**PACKAGE**

Packaging / By Weight: 1 kg and 8 kg

**STORAGE**

- Store in a dry place
- Store at temperature of 5°C – 40°C.
- Close the lid of the product container well after each use.
- The shelf life of the product is a maximum of 1 year.

**HANDLING**

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling fabrics and resins to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing / gloves / goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

**FIRST AID**

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

**DISCLAIMER OF LIABILITY**

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim

or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.