

# MAXILRAD



## LIQUID WATERPROOFER

### Technical Datasheet

#### NS 200 LIQUID WATERPROOFER

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## INTRODUCTION

NS 200 Roof Insulation & waterproof membrane is a kind of special waterproof and insulation coating for concrete roof, Building Facade, asbestos tiles roof, etc. Produced by imported acrylate, silane elasticity of copolymerization emulsion, adding auxiliaries, UV reflective material agent. This waterproof system has better properties like UV reflect fatigue resistance, anti-aging and resistance to low temperature. This product can lower indoor temperature to meet the needs of waterproofing and energy-saving.

## CHARACTERS

- 1- UV-reflectivity, Roof surface temperature reducing, anti-aging, low temperature resistance, and long shelf life.
- 2- Water-based emulsion, non-toxic and harmless, environmental friendly product.
- 3- With better film elongation, this product can adapt to base shrinkage and crack deformation.
- 4- Direct brush or spray application.
- 5- Color additives can be added to adjust the color.
- 6- Easy to construct and maintain.
- 7- Better adhesive ability.


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## USE AMOUNT

- 1.6kg/m<sup>2</sup> ,thickness 1.2mm
- Brush or roller for small projects under 500 m<sup>2</sup> .
- Gasoline driven airless sprayer above 500 m<sup>2</sup> .



## PACKAGE

21kg /Gallon 20L.  
250 kg Poly Ethylene Barrel

| ITEMS  | DATA                                 |
|--|--------------------------------------|
| Appearance   | Well-proportioned,without gel,liquid |
| Solid content  | >85%                                 |
| Density, g/cm <sup>3</sup>                                   | >1.13                                |
| Tensile Strength   | 1.9 MPa                              |
| Elongation at break  | % 655                                |
| Foldability at Low Temperature                               | (-10°C) No cracks                    |
| Heating ratio of expansion and contraction%                  | 2%                                   |
| Watertight ( 0.3MPa, 30min)                                  | watertight                           |
| Surface drying time  | 6h                                   |
| Hard drying time   | 18h                                  |
| Bonding strength on wet substrates                           | 1.41Mpa                              |
| Artificial weathering aging(720h) Retention Tensile Strength | 103%                                 |
| Retention tensile strength % (Heat treatment)                | 163                                  |
| Retention tensile strength % (Heat treatment)                | 63                                   |
| For further details, please contact with the manufacturer.   |                                      |

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## SUBSTRATES & APPLICATION

- Keep the substrates surface dry or wet but without dust,water,rocks,etc.
- NS 200 Roof Insulation & waterproof membrane evenly with a roller.
- Two coats brush requested. After the first coat dry then apply the second coat in a perpendicular direction with first coat.
- polyester fabrics could be used to strengthen the waterproof layer.
- Proper application temp is 5°C-40°C.
- Dry time is 24h with temp 23°C.The lower temp, the longer dry time.

## TEMPERATURE CONTROL

- Not suggested to apply under 5°C.
- Surface dry time is 8h at 23°C.
- Storage temp 5°C to 50°C.
- Far away from objects whose temp is higher than 80°C.



## APPLICATION

- 1 - Stir the paint evenly with brush or roller.The base should be dry and clean.
- 2- The product will film within 8 hours under the temperature 25 degree Celsius.The lower temperature, the longer time to film.
- 3- After the first coat brushing or spraying cured, apply a vertical scratch for 2nd coat.
- 4- For the reinforcement of cracks at the junction, polyester fabrics sewing-woven fabrics or high-density glass cloth could be adopted.

## CLEANING

Clean the application tools with water once work finished.

## ANNOUNCEMENTS

Notice that the NS 200 Roof Insulation & waterproof membrane is water based product, could be frozen in the tem under 0°C.

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