

ADROSEAL® 201

Single Component Polyurethane Solvent-Free and Primer-Free Polyurethane Sealant

Definition

ADROSEAL® 201 is a single-component, moisture-curing, solvent-free polyurethane adhesive sealant. It is non-sag, fast-curing, and has high bonding strength. It has good resistance to vibration and weather. The product is manufactured in accordance with ISO9001/ISO14001/TS16949 standards.

FEATURES

- Single-component, easy application
- Non-sag
- Fast curing, high initial strength
- High adhesion strength without primers
- Solvent-free (under 1%), very low odor, environmentally friendly
- Good weather resistance, vibration and fatigue resistance

TECHNICAL DATA

| Feature | Value |
|------------------------------|-----------------------|
| Appearance | Proper Paste |
| Color | Black |
| Density | 1.25 ± 0.05 kg/l |
| Tack-free time | 30 minute |
| Curing rate | 3.5 mm/24 hour |
| Tear elongation | ~%300 |
| Tensile strength | > 6 N/mm ² |
| Shore A hardness | ~60 |
| Application temperature (°C) | 5-35 °C |
| Operating temperature | -40°C ile +90°C |

*= 23°C ve %50 bağıl nemde

Areas of Use

ADROSEAL® 201 is used for bonding front and rear glass, bonding bus bodies, and other adhesive and gap-filling applications that require high strength.

APPLICATION NOTE

1. Clean the surface so that it is free of dirt, dry, and does not contain oil or grease.
2. ADROSEAL® 201 can be used on most windshields without a primer. If necessary, apply Adroit Activator or Adroit Primer to the surface.
3. The mastic cures with moisture in the air. The lower the temperature and humidity, the slower the curing; the higher the temperature and humidity, the faster the curing.
4. The recommended working temperature is 5-35°C, with the optimal working temperature being 15-25°C.

CHARACTERISTICS OF THE MASTIC LAYER

1. The product cures with the moisture in the air and forms a high-strength elastic structural mastic layer.
2. The mastic layer is resistant to water, weak acid, and neutral cleaners that do not contain chlorine or alkali. It can withstand fuel, oil, solid fat, and crude oil for a short period. However, strong acids, abrasives, bleach, and other organic solvents should be avoided.
3. The mastic layer can be cut before curing. However, once cured, it can only be removed with cutting tools.

PACKAGING

310 ml/cartridge, 600 ml/sausage

STORAGE

When stored in original, unopened containers under recommended conditions, the shelf life of this product is 12 months. The shelf life of polyurethane sealant depends on the temperature and humidity of the environment. The recommended storage temperature is 5-25°C, with humidity <50% RH. Transportation or storage temperatures above 30°C or humidity above 80% RH are strictly prohibited. Container transport at high temperatures is also prohibited. In long-term storage under high temperature and high humidity conditions, the product easily becomes viscous, extrusion is impaired, and shelf life is reduced.

ATTENTION

1. The mastic cures with moisture and should be used after opening.
2. Other application processes should be carried out within the layer formation time; otherwise, it affects adhesion performance.
3. The curing rate is influenced by temperature and humidity. If it cures too quickly, bubbles may form in the mastic layer, affecting its quality.

NOTE

Information and recommendations regarding the application and final use of ADROIT® products are provided in good faith based on ADROIT® 's current knowledge and experience, assuming that the products are stored, handled, and applied under normal conditions. In no way can this information replace the necessary preliminary tests that alone can guarantee that a product is suitable for a specific use due to practical differences in materials, substrates, and actual field conditions. Users are advised to ensure they have the latest version of this document, and ADROIT® is ready to provide any additional information.

LEGAL WARNING

The information provided here about ADROIT® products, and particularly the recommendations regarding their application and end uses, is given in good faith based on ADROIT® 's current knowledge and experience, provided that these products are properly stored, processed, and applied under normal conditions and in accordance with ADROIT® 's recommendations. Products, application surfaces, and application areas are quite varied in practice. Therefore, when using ADROIT® products, make sure that you are applying the right product under the right conditions and in the right place, and regarding commercial availability and/or suitability for a specific purpose. Strictly follow the information and instructions provided by ADROIT® . Otherwise, ADROIT® is not responsible for any damage that may occur. The user of the product should test its suitability for the application and purpose for which it intends to use the product. ADROIT® reserves the right to modify the characteristics of its products. The property rights of third parties must be respected. Acceptance of all orders is based on our current sales and shipping conditions. Users should always consult the latest version of the local Product Information File of the relevant product available by contacting ADROIT® ..

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