



### ADROSEAL® MS 50 PLUS

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Silan Modified Polymer Sealant

#### Definition

ADROSEAL® MS 50 PLUS is a silane-modified polymer-based single-component elastic adhesive. It combines the advantages of silicone and is therefore a next-generation elastic adhesive. It does not contain silicone, isocyanate, or solvents. It rapidly cures upon contact with moisture at ambient temperature to form a durable elastomer.

#### Advantages

- Single component, non-sagging, easy to apply
- Good elasticity
- Good heat and UV resistance
- Environmentally friendly

#### TECHNICAL DATA

Features	Value
Appearance	Smooth Paste
Colors	Black, white, gray
Intensity	1.5 ± 0.05 kg/l
Tack-free time	(23°C, %50 RH) ~25 minute
Curing speed	23°C, %50 RH, mm/24s) ~3.5 mm/24 hour
Elongation at break	(GB/T528-1998) ~%300
Tensile strength	(23°C, %50 RH, 7g) ~1.8 Mpa
Shore A hardness	(GB/T528-1998) ~45
Application temperature (°C)	5-40°C
Operating temperature	-45°C ile +90°C

\*= 23°C and 50% relative humidity

#### APPLICATION

ADROSEAL® MS 50 PLUS can be used for elastic bonding and joint sealing of ceramics, natural stone, granite, marble, metal, wood, and plastics. It is widely used in bus bodies, railway wagons, containers, equipment engineering, air conditioning and ventilation, shipbuilding industries, and construction joint sealing, etc.

### ADHESION

ADROSEAL® MS 50 PLUS has good adhesion to metal, ceramic, natural stone, granite, marble (fresh, parkerized, galvanized, painted), stainless steel, copper, aluminum (fresh, anodized, painted), glass, PC, PUR, ABS, polyester, most thermoplastics, EPDM, PS, PA, PVC, etc. However, prior testing is absolutely necessary. For some substrates, the use of an activator and/or primer will help to ensure optimum adhesion.

### PROCESS

Cleaning: Clean the surface to ensure it is clean, dry, free of oil and grease, and sound.  
Sealing application: Cut the tip to the desired shape and size. Puncture the airtight seal. Apply with a hand or power-driven gun and squeeze the sealant into the joint. Remove excess sealant with a hard rubber spatula or with a finger moistened with Adroit Touch.

### PACKAGING

310 ml cartridge, 600 ml sausage,

### STORAGE AND SHELF LIFE

Store in a cool, dry place (10-25°C recommended). Avoid damaging the packaging. When stored in original, unopened containers under the recommended conditions, this product has a shelf life of 12 months.

### NOTES

Information and recommendations regarding the application and end-use of ADROIT® products are provided in good faith, based on ADROIT®'s current knowledge and experience, assuming the products are properly stored, processed, and applied under normal conditions. This information cannot in any way replace the necessary preliminary testing that can alone guarantee the suitability of a product for a particular use due to practical differences in materials, substrates, and actual field conditions. Users are requested to check that they have the latest version of this document, and ADROIT® is prepared to provide any additional information.

### LEGAL NOTICE

The information provided here about ADROIT® products, and in particular the recommendations regarding their application and end use, 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, ensure that you apply the correct product under the correct conditions and in the correct place, and strictly follow the information and instructions given by ADROIT® regarding commercial availability and/or suitability for a particular purpose.

Otherwise, ADROIT® is not liable for any damage that may occur. The user of the product must test its suitability for the application and purpose for which they intend to use it. ADROIT® reserves the right to change the specifications of its products.

The property rights of third parties must be respected. Acceptance of all orders is subject to our current sales and shipping conditions. Users should always refer to the latest version of the local Product Information File for the relevant product, which can be obtained by contacting ADROIT®.

### ADROIT ENDÜSTRİYEL YAPIŞTIRICI VE KİMYA SAN TİC. A.Ş