



# MS50 MULTI SEAL

## TECHNICAL INFORMATION FORM

### 1 – DESCRIPTION

Multiseal is a general-purpose, all-weather resistant, high-quality, versatile adhesive and joint sealant based on APT polymer. Its combination of polyurethane and silicone properties makes it the right choice for many different surfaces including aluminum, granite, ceramic, marble, porcelain, metal, PVC, glass, wood, and rough surfaces (concrete, brick, limestone, etc.).

### 2 – PROPERTIES

- Does not contain solvent, silicone or isocyanate,
- Very Low VOC content,
- No bubble formation, even in wet and humid conditions,
- Very good UV resistance
- Over-paintable with water based paints,
- No shrinkage
- Does not cause oil stains in panels and porous material
- Non-sag, very easy to apply
- No surface tackiness

### 3 – APPLICATIONS

Sealing and Bonding applications in;

- Window and Door Perimeter
- General sealing and waterproofing
- Roofing and gutter
- Concrete joints
- Metal building construction
- HVAC

### 4 – INSTRUCTIONS

- Ensure that the surfaces to be sealed are clean, dry and free from grease. A preliminary compatibility test is recommended.
- The application temperature must be between + 5 ° C and +40 ° C.
- Dimensions of the joint:  
Minimum width X Minimum depth: 5mm X 5 mm  
Recommendation: width = 2 x depth
- The joint must be smoothed with spatula within 5 minutes of application to ensure good contact between the sealant and the substrate.

- The adhesive tape must be used where precise lines of joints or clean lines are required. Remove the tape immediately after applying the product.
- An excess of sealant can be removed from tools and surfaces before it cures, using solvent. Once hardened, the material can be removed mechanically.

## 5- STANDARDS

Meets or exceeds the requirements of the following specifications:

- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.
- The French VOC requirements for class A+
- CE marked for EN 15651 for façade applications.

## 6- STORAGE AND SHELF LIFE

12 months if stored properly in its original package between +5 °C and 25 °C in a dry environment and protected from direct sunlight

## 7- PACKAGING

<b>White, Grey, Black (cartridge)</b>	310 ml	1 2
<b>White, Grey, Black (sausages)</b>	600 ml	1 2

## 8- RESTRICTIONS

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Avoid application below 5 °C and above 40 °C.
- It is not suitable for food contact applications.

<b>Curing Mechanism</b>	: Moisture	
<b>Density</b>	: 1,60 ± 0,03 g / ml	
<b>Consistency / Color</b>	: <b>Thixotropic paste / White, Grey, Black</b>	
<b>Hardness Shore A</b>	: 40±5	<b>(ISO 868)</b>
<b>Sagging</b>	: 0 mm	<b>(ISO 7390)</b>
<b>Skin Formation Time</b>	: 12-25 min (23°C, 50% R.H.)	
<b>Curing Performance</b>	: <b>Min.2,5 mm/24h (23°C, 50% R.H.)</b>	
<b>Shrinkage</b>	: < 3%	<b>(ISO 10563)</b>
<b>Elongation at Break</b>	: ≥ 300%	<b>(DIN 53504)</b>
<b>Tensile Strength</b>	: 1,5-2,0 N/mm <sup>2</sup>	<b>(DIN 53504)</b>
<b>Application Temperature</b>	: +5°C to +40°C	
<b>Temperature Resistance</b>	: <b>-40 °C to +90°C</b>	

#### LEGAL WARNING

The information provided here on ADROIT products, and in particular the recommendations regarding their application and end-use, are given in good faith based on ADROIT's current knowledge and experience when these products are properly stored, handled and applied under normal conditions and in line with ADROIT's recommendations.

Products, application surfaces and application areas are quite diverse in practice. For this reason, when using ADROIT products, be sure to apply the right product in the right conditions and in the right place, and strictly follow the information and instructions given by ADROIT regarding commercial availability and/or fitness for a particular purpose. Otherwise, ADROIT is not responsible for any damages that may occur.

The user (user) of the product should test the suitability of the product for the application and purpose for which he intends to use the product. ADROIT reserves the right to change the features of its products. The property rights of third parties must be respected.

Acceptance of all orders is based on our current terms of sale and shipping. Users should always consider the latest edition of the local Product Information File of the relevant product, which can be obtained by contacting ADROIT.