

## TECHNICAL DATA SHEET (TDS)

# DONE UNIVERSAL SEALANT & ADHESIVE

**Demsun Universal** is a high quality AST polymer based sealant & adhesive. First choice of both professional and DIY users for everyday sealing and flexible bonding requirements.

### FEATURES & BENEFITS

- **High quality durable filling and adhesion capability,**
- **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
- Primer less adhesion on many different substrates (preliminary test recommended)

Eco Friendly  
Sealing for Wide  
Range of  
Substrates

### APPLICATION AREAS

- **Connection joints in sheet metal fabrication, sealing of air conditioning systems.**
- **Elastic bonding in vibrating constructions**
- **Sealing of floor joints and low movement wall joints**
- **Sealing joints in containers, cisterns, silos etc.**

### INSTRUCTIONS

- Before the application, the tip of the cartridges is cut and a plastic cap is fixed.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- The sausage package is cut from one edge and fixed to a suitable gun. Then the cap nut is screwed to the cylinder of the gun.
- The joints should be filled at one time and without gaps during the application.
- The surface of Akfix Universal applied in the joints should be smoothed with a dampened spatula, glazing tool, joint iron or by hand immediately.
- If used, the adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.
- The contaminated areas and used tools should be cleaned with white spirit or alcohol. It is cleaned only mechanically after cured.
- Joint width/depth ratio should be 2:1.

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### Consumption (approx.)

Joint width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint Depth	5mm	8 mm	10 mm	12 mm	15 mm
Joint length /600 ml	12 meters	5 meters	3 meters	2 meters	1,3 meters

### Surface Preparation

Following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminium, light alloys and stainless steel	Degrease with alcohol or MEK
Other Metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline Surfaces	Brush and remove dust

## 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 & glazing applications (DOP NO: 2016-0007)

## RESTRICTIONS;

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Akfix Universal can be applied to a variety of substrates directly. If not sure, we recommend a preliminary compatibility test.

## STORAGE AND SHELF LIFE;

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10 °C and +25 °C in moisture free conditions.
- The opened products should be consumed immediately.
- Shelf life is maximum 12 months conditional to complying with the aforementioned storage conditions.

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### SAFETY & DISPOSAL

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

### PROPERTIES

<b>Chemical Base</b>	: AST Polymer
<b>Curing System</b>	: Moisture
<b>Density</b>	: 1.40 ± 0.03 gr/ml
<b>Appearance/Color</b>	: Paste, White, Black and Grey
<b>Tack Free</b>	: Approx. 50 min (23°C and %50 R.H.)
<b>Curing Rate</b>	: Approx. 2,5 mm/ 24 hr (23°C and %50 R.H.)
<b>Sagging (ISO 7390)</b>	: 0 mm
<b>E100 Modulus (ISO 8339)</b>	: < 0,4 N/mm <sup>2</sup>
<b>Shore A Hardness(ISO 868)</b>	: 45 ±5
<b>Elongation at Break % (ISO 37)</b>	: ≥ % 120
<b>Volume Loss</b>	: < -%3 (23°C and %50 R.H.)
<b>Tensile Strength (ISO 37)</b>	: 1,5 – 2,0 N/mm <sup>2</sup>
<b>Heat Resistance</b>	: -40°C and +90°C
<b>Application Temperature</b>	: +5°C and +40°C

### PRODUCT

Product Type	Volume	Package
White/Black/Grey	290 ml	12
White/Black/Grey (Sausage)	600ml	12

### DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.