



# VABER INDUSTRIALE S.P.A.

PRODUZIONE ADESIVI E PRODOTTI CHIMICI INDUSTRIALI

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## TECHNICAL DATA SHEET

### VABER SP5

#### ONE COMPONENT POLYURETHANE SEALANT

**Date of release:** November 11, 1990

**Revision n°:** 5 **dated:** 21.12.2009

**Approval:** R&D

**Verified.:** QMS

#### 1. DESCRIPTION

VABER SP5 is a one-component polyurethane adhesive sealant. It is used in automotive industry for sealing flanges, welded beads and spots in front and back car body, trunk bottom and car floor. VABER SP5 provides an excellent barrier against water, dust and humidity infiltration in joints and in inside the car. It is resistant to mild chemical agent

VABER SP5 is also used for:

- \* jointing and bonding in metal construction
- \* floor-joints subjected to medium low movement
- \* bonding of vibrating parts in coachworks and containers

#### 2. CHEMICAL AND PHYSICAL CHARACTERISTICS

BASE	: polyurethane	
APPEARANCE	: thixotropic paste	
AVAILABLE COLOURS	: white, grey, black	
SPECIFIC GRAVITY	: $1,30 \pm 0,05 \text{ g/cm}^3$	1*
CURING SYSTEM	: moisture cure	
OVERPAINTING @ 20°C/65% RH	: after 30 min approx.	2*
SKIN FORMATION @ 20°C/65% RH	: 15 min	2*
CURING RATE @ 20°C/65% RH	: 3 mm/24 h	2*
HARDNESS SHORE A	: $40 \pm 5$	3*
TENSILE STRENGTH	: $> 1,5 \text{ N/mm}^2$	4*
ELONGATION AT BREAK	: $> 600\%$	4*
ELASTICITY MODULUS 100%	: $0,60 \text{ N/mm}^2$	5*
SERVICE TEMPERATURE	: $- 30^\circ\text{C} \div +90^\circ\text{C}$	
APPLICATION TEMPERATURE	: $+5^\circ\text{C} \div +30^\circ\text{C}$	

1\* Vaber Method T-03 (ref. ASTM D 792-91)

2\* Vaber Method T-033

3\* Vaber Method T-11 (ref. ASTM D 2240-91)

- 4 \* Vaber Method T-10
- 5 \* DIN 53504

### **3. APPLICATIONS AND USE**

VABER SP5 is applied by bead.  
Before application be sure that, surfaces to be treated are carefully clean, dry and degreased.  
Recommended Joint size  
For joints < 12mm : joint depth = joint width  
For joints > 12mm : 2X joint depth = joint width

### **4. PACKAGING**

VABER SP5 is available in 310 ml cartridges and 600 ml sausage (12 per box). 20 lt. pail and 200 litres drums upon request.

### **5. STORAGE AND SHELF LIFE**

VABER SP5 stored in its original package, in a well-ventilated place, under dry conditions, at temperature between +5°C and +25°C has a shelf life of 12 months from the manufacturing date.

### **6. NOTICE**

The above information and our technical indications (both verbal and written or resulting from testing), in particular those that regard the applications and uses of our products, correspond to our best knowledge and experience; however, they do not constitute our warranty relative to final results or our responsibility deriving from any juridical relationship whatsoever.

In fact, considering the multiplicity of materials, supports, handling and storage conditions, as well as the conditions of production and utilization, the user, in function of his specific circumstances of use, must always preventively verify all the information and instructions reported above.

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