



## **VULKEMAX TWIN: TWO-COMPONENT ADHESIVE**

**VulkeMax Twin represents a new generation of polymers with a very high elasticity modulus and excellent mechanical properties after polymerisation.**

**This two-component adhesive is used to glue materials with significantly different expansion coefficients such as metal/glass.**

**It provides exceptional adhesion on neoprenes, foams, sheet rubber, most rubbers... PVC, and plastics such as polypropylene PP, PE, POM. It adheres to most base media.**

### **USERS:**

*Professional divers, Army and Civil Protection divers, businesses, maintenance workshops, leisure divers, nautical organisations, etc.*

### **APPLICATIONS:**

*Scuba diving: repair of neoprene clothing, manufacture and repair of drysuits, assembly of accessories, etc.*

*Waterproofing of boxes, connectors, immersible systems, etc.*

*Gluing, assembly, waterproofing, potting of seals, anti-vibration system, composite materials, bendable elements, sealing, fixing, part moulds, etc.*

### **CHARACTERISTICS:**

- *Two-component product: Part A Black / Part B White / Grey mix*
- *Black mix is also available*
- *d A =1.00 / d B =1.15 / d A+B =1.08*
- *Viscosity (poises): V A =205 /*
- *V B =200 / V A+B =205*
- *Shore Hardness A = 63*
- *Elongation at break Eb (%) - 150*
- *Temperature range: from -30°C to +80°C*

<b>Polymerisation time</b>	At 25°C	40-45
	At 40°C	20-25
	At 60°C	5-7
<b>Tensile strength</b> - Speed 5mm/min <i>Polymerisation 1 day at 20°C then 7d at 50°C</i>	Gluing on sanded steel	8.32
	Gluing on aluminium steel	6.62

### **ADVANTAGES:**

- *Exceptional adhesion to neoprene, rubber and plastics classed as "difficult" on adhesion*
- *Used to glue materials with significantly different expansion coefficients.*
- *Used to make anti-vibration, anti-impact assemblies.*
- *Excellent resistance to thermal shocks, UV, saltwater.*
- *Used as a waterproofing agent (gluing of bendable elements)*
- *Use period of the mix during application: greater than 20 min depending on the outside temperature. Rapid polymerisation.*
- *Solvent-free*
- *Can be used on damp surfaces at T° of over 5°C*

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### **METHOD OF USE:**

1. *Mix the Two-Component system together, mix ratio = 1/1 by volume. We supply the automatic mixing cannulas*
2. *Apply to the surfaces to be glued Maximum use time of the mix is 20 minutes depending on the outside Temperature.*
3. *Leave to polymerise for at least 6h.*

### **PACKAGING:**

*Two-component syringe with mixing cannulas*

*Volumes:*

*2 x 12.5 ml*

*2 x 100ml / 2 x 200ml available on request*

*Gluing accessories available: glue guns and mixing cannulas*

### **USE PRECAUTIONS:**

*Irritant product. It is recommended to wear protective gloves and goggles.*

*Do not use in rainy conditions on damp surfaces at temperatures below 5°C.*

*This product is affected by freezing. Storage temperature between 5 and 25°C.*

*Clean contaminated surfaces and tools with VULKEMAX SOLV.*

*For further information, please refer to the safety data sheet.*

### **IDENTIFICATION OF HAZARDS**

*Classification according to regulation (EC) No. 1272/2008 [CLP]*

***Hazard pictograms (CLP) Part A:***



***GHS05***



***GHS07***

*Warning statement (CLP): Hazard*

*Hazard statements (CLP): H314 - Causes burns to skin and serious eye damage*

*H317 - May cause skin allergy*

*Safety advice (CLP): P280 - Wear protective gloves and goggles*

*P301+P330+P331 - IF SWALLOWED: rinse the mouth out. DO NOT INDUCE VOMITING.*

*P303+P361+P353 IN THE EVENT OF CONTACT WITH THE SKIN (or hair): Immediately remove all contaminated clothing. Rinse the skin with water / Shower.*

*P304+P340 - IF INHALED: Take the person into the fresh air and keep them at rest.*

***Hazard pictograms (CLP) Part B:***



GHS07

GHS09

*Warning statement (CLP): Caution*

*Hazard statements (CLP): H315 - Causes skin irritation.*

*H317 - May cause skin allergy*

*H319 - Causes severe irritation to the eyes*

*H411 Toxic to aquatic organisms, causes long-term adverse effects.*

*Safety advice (CLP): P273 - Avoid discharge to the environment.*

*P280 - Wear protective gloves*

*P302+P352 IN THE EVENT OF CONTACT WITH THE SKIN: Wash thoroughly with water.*

*P305+P351+P338 IN THE EVENT OF CONTACT WITH THE EYES: rinse carefully with water for several minutes. Remove contact lenses if the victim is wearing them and if they can be removed easily. Continue rinsing.*

*P333+P313 If signs of rash or irritation appear: see a doctor.*