

VOGA BOND X

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VOGEL SYSTEMS Technical data sheet

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Product: **VOGA BOND X**

Version: 1.0

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1. Identification

Product identifier

VOGA BOND X

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals

Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

Company:

VOGEL SYSTEMS

Operating Division Construction Chemicals

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

DESCRIPTION

VOGA BOND X is a Special ToughenedAcrylicAdhesive.

GENERAL SPECIFICATIONS:

VOGA BOND X is a structural acrylic adhesive designed primarily for bonding rubber , ferrites, ceramics, wood, and some thermoplastics. This adhesive may be used in a variety of structural bonding applications due to its versatile performance capabilities. **VOGA BOND X** provides high strength while maintaining excellent flexibility, durable bonds with outstanding impact and peel resistance. Handling strength is achieved in a few minutes at room temperature.

FEATURES & BENEFITS

1. Adhesion to a wide variety of substrates.
2. Fast cure at room temperature.
3. No mix application.
4. High shear and peel strength.
5. Good impact strength and chemical resistance.

APPLICATION

1. Surfaces must be clean, dry and grease-free.
2. Apply adhesive to the other surface.
3. Assemble the components using sufficient force to spread the adhesive thinly.
4. Maintain pressure until handling strength is achieved. The time required will vary according to the joint design, gap and surfaces being bonded.
5. Allow 24 hours for adhesive to fully cure.Accelerated cure times may be achieved by heating

PHYSICAL PROPERTIES OF UNCURED ADHESIVE

Product propreties	
Chemical composition	Modified acrylic – solvent free
Appearance	Transparent amber liquid
Viscosity @ 25°C	3400 – 3000mPa.s (cP)
Specific gravity	1.1

TYPICAL PERFORMANCE OF CURING ADHESIVE

Product properties	
Shear strength	25-15N/mm ²
Peel strength	65-45N/25mm ²
Tensile strength	25N/mm ²
Impact strength	15-10kJ/m ²
Coefficient of thermal expansion	80x 10 ⁻⁶ 1/K
Thermal conductivity	0.1W/(m.K)
Tensile strength (N/mm ²)	~ 25
Volume resistivity	2x 10 ¹³ Ohm.cm

TYPICAL CURING PROPERTIES

Product properties	
Ratio of use	10:1.5approximately
Maximum gap fill	0.5mm (0.02 in)
Fixture time	2-1mins
Handling time	5-3mins
Working strength	60-40mins
Full cure	24hours
Storage	24months

SAFETYAND HEALTH

VOGA BOND X is a low toxicity product but direct contact with skin and eyes must be avoided.

Use rubber gloves and safety goggles when handling, mixing and applying the product