

**EASYPOXY® K-20 and K-22**

These two **EASYPOXY® KITS** are general purpose, two-component, room temperature curing adhesive/sealants that bond a great variety of surfaces. They are relatively insensitive to mixing ratios. Since there are no solvents, there is no fire hazard. They are non-toxic when cured and they are widely used for bonding, sealing and repairing metal, wood, rubber, and most plastics.

**100% SOLIDS - ROOM TEMPERATURE CURE (MAY BE HEAT ACCELERATED)  
HIGH STRENGTH - CEMENTS ANYTHING TO ANYTHING**

Features	Benefits
• Bonds a wide variety of substrates	• One product – many uses
• Solventless	• No fire hazard
• Non-toxic	• Safe to use
• Insensitive mix ratios	• Easier to use

**TYPICAL PRODUCT CHARACTERISTICS**

	<b>K-20 &amp; K-22</b>	<b>K-20 and K-22</b>
	<b><u>Part A</u></b>	<b><u>Part B</u></b>
Color	Clear/Black	Tan
Viscosity	Paste	Paste
Solids Content	100%	100%
Specific Gravity @ 25°C	1.35	1.35
Mix Ratio, parts by weight	100	45

**TYPICAL CURED PROPERTIES**

	<b><u>K-20 and K-22</u></b>
Color.....	Clear/Black
Water Absorption, @, 24 hours, Immersion.....	0.40
Linear Shrinkage, %.....	0.70
Tensile Shear Strength, psi -	
Etched AL/AL, 77°F.....	2500
Etched AL/AL, -67°F.....	1600
Etched AL/AL, 180°F.....	2300
Shore D Hardness.....	85
Flexural Strength, psi.....	6,000
Compressive Strength, psi.....	10,000
Thermal Conductivity cal/sec/cm <sup>2</sup> /°C/cm x 10 <sup>-4</sup> .....	5.7
Fungus Resistance.....	Non-Nutrient

**ELECTRICAL PROPERTIES**

Dielectric Constant, 1 KHz @ 25°C.....	4.60
Dissipation Factor, 1 KHz @ 25°C.....	0.012
Volume Resistivity @ 25°C, ohm-cm.....	4.0 x 10 <sup>13</sup>

**SURFACE PREPARATION**

Apply to dry oil-free surfaces. Remove mold release from plastic surface. When bonding to metals, degrease and dry. Chemical etching of the metal surface gives optimum results. For specific recommendations, request Cytec 's *Surface Preparation Guide*, Bulletin AC-107.

### PROCESSING PARAMETERS

Pot life of mixture is 20 minutes at 25°C. Cure is achieved in 24 hours at 25°C. Cure can be accelerated with heating at 65°C for 2 hours.

Apply adhesive with spatula or stiff brush to each surface. Apply light pressure to insure good wetting of the surface and good contact.

Clean equipment before the adhesive hardens; a good hydrocarbon solvent is recommended.

### STORAGE AND HANDLING

Recommended storage temperature is 65°-85°F. If material is crystallized on opening, heat in oven at 120°F for 40-60 minutes.

EASYPOXY® K-20 and K-22, Parts A and B, have a shelf life of 18 months from date of manufacture when stored in their original, unopened containers at 65°-85°F.

### CAUTION

**For Industrial Use Only! Always read the Material Safety Data Sheets before using.** Uncured materials contain epoxy resins, which are strong eye and skin irritants. Absorption through skin or breathing of vapors may cause serious health conditions. Avoid skin contact. Wear neoprene or nitrile gloves if hand contact is a possibility. If skin contact does occur, clean immediately with denatured alcohol, followed with soap and water. Use only in a well-ventilated place, or wear respirator with organic vapor cartridges, particularly if heated. These materials also contain crystalline silica, safely contained within the uncured and cured materials. However, grinding or sanding the cured material may release silica dust (a known cause of serious lung disease). Always ventilate and provide respiratory protection for sanding or grinding.

### AVAILABILITY

EASYPOXY® K-20 and K-22 are available in quart, gallon, and 5-gallon containers and in flexible squeeze tube kits.

An evaluation Kit is available for a nominal cost.

"EASYPOXY" is a registered trademark of Cytec Industries Inc.

The information presented here is based on carefully conducted laboratory tests and is believed to be accurate. However, results cannot be guaranteed and it is suggested that customers confirm results in their own laboratory before plant tests are made. Nothing contained in this bulletin shall be construed as a recommendation to use any product or process in violation of the claims of any patent now in effect.

NOTICE: Precautionary labels and Material Safety Data Sheet(s) for all materials referred to, whether the materials are produced by CYTEC INDUSTRIES INC. or other manufacturers, should be fully read and understood by all supervisory personnel and employees before using. For additional safety and health information, contact CYTEC INDUSTRIES INC.. Purchaser has the responsibility for determining any applicability of and compliance with federal, state, and local laws and/or regulations involving labeling, use, and waste disposal, particularly in making consumer products.