

# STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

## ST-36-2-1K

### Two Part Solventless Drizzle Coat

#### DESCRIPTION

ST-36-2-1K is a two-part epoxy designed for use as an electrical impregnating resin. It has a convenient mix ratio for easy use of meter mix and dispense machines. The cured material shows excellent resistance to a variety of chemicals including water, alkali, hydrocarbons, glycol ethers, ketones, detergents, and chlorinated hydrocarbon solvents.

#### BENEFITS

**Available in Pre-measured kits  
Class H temperature use**

**Excellent Coverage  
Excellent Chemical Resistance**

#### TYPICAL PROPERTIES (cured 7 Days at 75°F.)

Gel Time [100 Gram Mass at 75 ° F] (minutes):

Cure Time (hours):

Shore D Hardness:

Lap Shear [CRS to CRS] (psi):  
23 ° C:

Tensile Strength (psi):

Elongation (%):

Twisted Coil Bond Strength (N):

Tg (° C):

Dielectric Breakdown Strength (V/mil, 1/8" thickness)

Part A:

Specific Gravity (g/cc):

Viscosity (cps):

Color:

Part B:

Specific Gravity (g/cc):

Viscosity (cps):

Color:

Mixed Product:

Specific Gravity (g/cc):

Viscosity (cps):

Color:

Mix Ratio, Resin to Hardener:

Parts by Weight:

Parts by Volume:

Shelf Life (months):

#### TEST METHOD

ASTM D2471

ASTM D2240

ASTM D1002

ASTM D638

ASTM D3418

ASTM D149

ASTM D1475

ASTM D2393

ASTM D1475

ASTM D2393

ASTM D1475

ASTM D2393

#### VALUE

30

24

80

1200

9400

12

219

91

487

1.15

3000

Clear

1.02

600

Light Straw

1.12

1500

Light Straw

100:25

4:1

12

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.



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#### **APPLICATION PROCEDURES**

Carefully weigh out appropriate amounts of resin and hardener into a clean mixing container and thoroughly mix until all streaks and striations are gone. Scrape the sides and bottom frequently to ensure complete mixing.

*CAUTION:* Unmixed compound from the sides or bottom of the container can cause soft spots or uncured areas in the completed piece. To prevent this, transfer the entire mixed contents to a second clean container and remix for a short time before using.

#### **PRECAUTIONS**

For industrial use only. Keep away from children.

Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### **RESIN AND HARDENER WARNING STATEMENT**

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

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