

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ER4500

Two Part Brush-On Epoxy

DESCRIPTION

ER4500 is a two part epoxy designed for use as an electrical general purpose brush-on compound ideal for general maintenance. Material brushes on with ease and has a moderate room temperature cure in thin films. The cured material shows excellent resistance to a variety of chemicals including; water, alkali, hydrocarbons, glycol ethers, ketones, detergents, and chlorinated hydrocarbon solvents.

When mixed, ER4500 will require no baking to achieve the ultimate curing properties. ER4500 will cure tack free in 10– 12 hours.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

BENEFITS

Available in Pre-measured kits

Excellent Coverage

Excellent Chemical Resistance

TYPICAL PROPERTIES (cured 7 Days at 75° F)

Pot Life [250 Gram Mass at 75°F] (minutes):

TEST METHOD

VALUE

ASTM D2471

60

Shore D Hardness:

ASTM D2240

80

Tg (° C):

ASTM D3418

105

Part A:

Specific Gravity (g/cc):

ASTM D1475

1.45

Viscosity (cps):

ASTM D2393

Thixotropic Paste

Color:

Natural

Part B:

Specific Gravity (g/cc):

ASTM D1475

1.31

Viscosity (cps):

ASTM D2393

Thixotropic Paste

Color:

Natural

Mixed Product:

Specific Gravity (g/cc):

ASTM D1475

1.45

Viscosity (cps) (20 rpm):

ASTM D2393

Thixotropic Paste

Color:

Natural

Mix Ratio:

By Weight:

1:1

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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