# Kneadatite® Blue/Yellow® Epoxy Sealant/Adhesive

## Product description

Kneadatite Blue/Yellow is a two-part epoxy/polyamide sealant that cures at room temperature. The base and curing agent are of contrasting colors so that, when kneaded together, they become one color, indicating that mixing is complete. Blue/Yellow's consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrate and allows the material to be shaped before curing begins.

Once cured, it can be tapped, drilled, screwed, sawed, filed and painted. It will not rust or corrode. Perfect for interior or exterior use, it resists water, chemicals and temperature extremes. It won't shrink or pull away.

## Basic uses

Kneadatite Blue/Yellow is a versatile epoxy compound for all types of quick interior and exterior maintenance and repairs. Use it to repair cracks in pipes and tanks, make underwater pool repairs, fill small automobile dents, create custom-formed gaskets, attach signs, hang light fixtures and replace stripped screws.

Nicknamed "Green" by sculptors, Blue/Yellow is well known for its long work life, non-grainy texture and its ability to hold fine detail, and mixing proportions can be adjusted to control cure time. Cured models withstand the heat and pressure of up to 4 vulcanizations in the mold-making process for castings.

## Benefits

- No shrinkage.
- Solvent resistant.
- Long work life.

## Application limitations

- Will not adhere to polyethylene, polypropylene or PTFE.
- Not intended for use in structural applications.

## Color

Base color is Yellow; curing agent is Blue; cured color is Green.

## Packaging


*Kneadatite Blue/Yellow Epoxy comes as two bars in an 8-inch plastic tube.*

*Also available as a roll of 1-inch by 36-inch tape (100 gms) in a plastic box.*

Both the bar form in the reusable, plastic tube with end cap and the roll of epoxy tape in the plastic box are packaged 24 per carton.

## Application

**Surface preparation:** Before applying, roughen and clean the area to be repaired.

**Mixing and application:** Cut or twist off 1 part curing agent (blue) to 1.5 parts base (yellow). Mix by kneading with fingers to a uniform color. For best results, use damp fingers for easier mixing and application.

Apply to the surface to be repaired within 1 hour of mixing. Force into cracks or holes and remove excess material before hardening begins, preferably with a tool that is wet with water. When applying to a damp, wet or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion

begins to take effect.

Kneadatite Blue/Yellow has a 1 to 2 hour work life, after which it will harden and form a tenacious bond. After just 4 to 5 hours the repair can be drilled, sawed, carved, sanded, stained or painted. Ultimate hardness is reached in 20 to 24 hours.

**Shelf life:** One year minimum from date of shipment when stored in original, unopened container at 75˚F (24˚C).

## Availability and cost

For more information, please contact Polymeric Systems, Inc., 723 Wheatland Street, Phoenixville, PA 19460-3394. Telephone: 1-888-EPOXY-FIX (1-888-376-9934), or (610) 935-1180. Or visit us at our website:www.polymericsystems.com

## Health Precautions

- May cause irritation to sensitive skin. Wash hands with soap and water after use.
- May be harmful if swallowed.
- Eye irritant. In case of contact, flush with water. Contact physician.
- Keep out of reach of children.
- When sanding cured putty and substrate, use protective eye wear and dust mask.
- Turn off power when doing electrical repairs.

For additional health and safety information, consult a Material Safety Data Sheet.

## Performance Data*

| Properties | Results | Test Method |
|---|---|---|
| **Uncured Properties** | | |
| Mix ratio, base to curing agent | 1.5:1 | |
| Non-volatile content | 100% | |
| Density | 1.53 gm/cm$^3$<br>12.8 lb/gal | |
| Work life at 75°F (24°C) | 1.5 to 2 hours | |
| Uncured green strength, vertical shear (1" x 1" x 1/16") | 1.25 psi | |
| Cure time to Shore D Hardness 30 | 4 to 5 hours | |
| Cure time to ultimate hardness | 20 to 24 hours | |
| **Cured Mechanical Properties** | | |
| Hardness, Shore D | 60 | ASTM D2240 |
| Lap shear tensile strength on steel (1" x 1" x 1/16") | 500 psi | ASTM D1002 |
| Elongation | 15% | ASTM D638 |
| Shrinkage | <1% | ASTM D2566 |
| Upper temperature limits | | |
| Continuous | 250°F (121°C) | |
| Intermittent | 300°F (149°C) | |
| Chemical resistance | Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases | |
| **Cured Electrical Properties** | | |
| Electrical resistance | 30,000 megohms | ASTM D257 |
| Dielectric strength | 300 volts/mil | ASTM D149 |

** Typical properties are for information only, not for purposes of specification.*


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