



# Kneadatite® Blue/Yellow® Epoxy Sealant/Adhesive

## Product description

Kneadatite Blue/Yellow is a room-temperature curing, two-part epoxy sealant for all types of interior and exterior maintenance and repairs. When properly mixed together to a uniform green color, it forms an industrial-strength polymer compound for repair, modeling, and sculpting. Kneadatite Blue/Yellow's consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrate, and allows shaping before cure begins. Once cured, it can be sawed, drilled, carved, sanded, and painted.

## Basic uses

Use Kneadatite Blue/Yellow to make underwater pool repairs, repair cracks in pipes and tanks, fill small automobile dents, form custom gaskets, attach signs, hang light fixtures, repair stripped screw holes, and much, much more.

Nicknamed "Green" by sculptors, Kneadatite Blue/Yellow is well known for its long work life, non-grainy texture, and its ability to hold fine detail. Cured models withstand the heat and pressure of up to 4 vulcanizations in the mold-making process for castings. Sculptors using this product will find helpful tips and information in our Sculptor's Information Sheet available on our website at [polymericssystems.com](http://polymericssystems.com).

## Benefits

- Hand-mixable with no messy residue or cleanup.
- Long work life.
- Applies and shapes like putty.
- Tenacious adhesion to almost any surface.
- Solvent-free; no VOCs.
- Won't shrink, pull away, corrode, or rust.
- Solvent-, chemical- and water-resistant.
- Labeling conforms to ASTM D4236.

## Application limitations

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

## Color

Base is Yellow; curing agent is Blue; cured

color is Green.

## Packaging

Kneadatite Blue/ Yellow Epoxy is available in two forms: as two 3-1/2" (8.9 cm) bars (4 oz / 114 g total weight) in a reusable plastic tube with end cap, and as a 1" x 36" (25 mm x 91 cm) long roll, 3.5 oz (100 g) in weight in a plastic box. Both are packaged 24 per carton.



## How to use

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

**Mixing and application:** Wear impermeable gloves when mixing or handling uncured product.

**Tape** - Cut or twist off equal lengths of flat blue and yellow tape. **Bars** - Cut or twist off 1 part curing agent (blue) to 1.5 parts base (yellow). Mix by twisting and kneading with gloved 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 moistened with water. When applying to a damp or wet area, work the material forcefully into the surface and apply pressure until

## Health precautions

- Contains Epoxy Resins. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful. Avoid ingestion.
- Turn off power when doing electrical repairs.
- KEEP OUT OF THE REACH OF CHILDREN.

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

adhesion begins to take effect.

Kneadatite Blue/Yellow has a 1-1/2 to 2-hour work life. Functional cure occurs after 4 to 5 hours, when the application can be drilled, carved, sawed, sanded, and painted. Ultimate hardness is reached in 20 to 24 hours.

**Shelf life: Tape** - One year minimum from date of shipment when stored in original, unopened container at 75°F (24°C). **Bars** - Two years minimum from date of shipment when stored in original, unopened container at 75°F (24°C).

Performance Data*		
Properties	Results	Test Methods
<b>Uncured Properties</b>		
Mix ratio, base (yellow) to curing agent (blue)	1.5:1	
Non-volatile content	100%	
Density	12.8 lb/gal (1.53 g/cm <sup>3</sup> )	
Work life at 75°F (24°C)	1.5 to 2 hours	
Green strength, vertical shear 1" x 1" x 1/16" (25 x 25 x 1.6 mm)	1.25 psi (9 kPa)	
Cure time to Shore D Hardness 30	4 to 5 hours	
Cure time to Ultimate Hardness	20 to 24 hours	
<b>Cured Mechanical Properties</b>		
Hardness, Shore D	60	ASTM D2240
Lap shear tensile strength On steel 1" x 1" x 1/16" (25 x 25 x 1.6 mm)	500 psi (3.4 MPa)	ASTM D1002
Elongation	15%	ASTM D638
Shrinkage	<1%	ASTM D2566
Temperature limits		
Continuous	-40°F to +250°F (-40°C to +121°C)	
Intermittent	-40°F to +300°F (-40°C to +149°C)	
Chemical resistance	Resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, and dilute acids and bases	
<b>Cured Electrical Properties</b>		
Electrical resistance	30,000 megohms-cm	ASTM D257
Dielectric strength	300 volts/mil	ASTM D149
*Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.		

## Contact Details

Polymeric Systems, Inc., is a part of Whitford Worldwide.

For more information, please contact Polymeric Systems or Whitford Ltd. at:

Polymeric Systems, Inc.

47 Park Avenue

Elverson, PA, USA 19520

Tel: [1] (610) 286-2500

Email: sales@polymericsystems.com

Website: polymericsystems.com



Whitford Ltd.

11 Stuart Road, Manor Park  
Runcorn, Cheshire, UK WA7 1TH

Tel: [44] (0) 1928 571000

Email: salesuk@whitfordww.com

Website: whitfordww.com

Toll Free: 888-EPOXY FIX (888-376-9934)

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