



Sculptor Information

Kneadatite® Blue/Yellow®

Blue and yellow makes “green”

Kneadatite Blue/Yellow epoxy putty, nicknamed “Green”, “Green stuff” or “Duro” by sculptors, can be used as a modeling and sculpting compound for creation of models and prototypes. Blue/Yellow cures at room temperature. The base (yellow color) and curing agent (blue color) are of contrasting colors so that, when kneaded together to a uniform color, they become one color (green), indicating complete mixing.

Once cured, Kneadatite Blue/Yellow can be carved, filed, drilled, sawed, screwed and painted. It won't shrink or pull away, nor will it corrode or rust. It resists chemicals, water and temperature extremes and withstands up to 4 vulcanizations.

Basic uses for sculptors

Miniature figure sculptors and modelers use Kneadatite Blue/Yellow for a number of specific uses:

- To fashion models used to make the molds for miniature pewter figures (15 mm to 12 mm scale).
- To fill gaps that appear in “built-up” kits.
- To customize pieces with additional parts not included in model kits.
- To make original sculptures.

Benefits

- Extremely smooth, non-grainy texture.
- Long work life (1-1/2 to 2 hours).
- Ability to hold fine detail.
- Adheres well to almost any surface (excellent on vinyl).
- Slight flexibility after cure; doesn't snap under stress.
- Withstands high heat (325°F/163°C) and up to 2,000 pounds of pressure during the vulcanizing (mold-making) process.
- Withstands up to four vulcanizations.

- “Master” is retained and ready for resculpting.
- Can be mixed at different ratios to achieve various properties.

Bars vs. tape

Kneadatite Blue/Yellow Epoxy comes in 2 forms: as two bars in a reusable plastic tube with end cap and as a roll of 1” x 36” tape (100 gms) in a plastic box.



To use the bars, standard mixing proportions are 1 part curing agent (blue) to 1.5 parts base (yellow).

Any length of the tape contains the appropriate mixing proportion of the base to the curing agent. To use the tape, simply cut off across the tape so you have the same length of each color.

Experienced sculptors have found that mixing proportions can be adjusted for various sculpting properties. Using more Blue than Yellow results in a faster, harder cure, excellent for building understructure. Conversely, using more Yellow than Blue results in a slower and softer cure, useful for detail work.

Mixing another PSI epoxy putty, Kneadatite Brown/Neutral (“Brown”), with “Green” will increase “Green's” hardness.

Availability and cost

Kneadatite Blue/Yellow and Brown/Neutral are two of a group of epoxy putty products manufactured by Polymeric Systems.

Polymeric Systems, Inc., is a part of Whitford Worldwide. For additional questions or more information about Kneadatite Blue/Yellow and our other products, please contact Polymeric

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