



Epoxy.com Product #431

Flame Retardant Structural Foam

DESCRIPTION

Epoxy.com PRODUCT #431 is a two component, flame retardant foam especially manufactured to provide a rigid foam with physical properties similar to that of timber or cement grouts, at a convenient one to one ratio, A to B, light black in color. **Product #431** will bond to wet, moist or dry surfaces, even to Plexiglas, with no shrinkage and ample pot life after mixing A & B components.

ADVANTAGES

- ✚ Non-burning and no red label
- ✚ No solvent or toxicity
- ✚ Low viscosity permits ease of pumping and penetration in porous construction materials, particularly timber, soil or pea gravel.
- ✚ **Product #431** foams in the presence of water or moisture, once A & B components are mixed together.
- ✚ **Product #431** foams in 2 to 2.5 minutes at 72°F (slower at a lower temperature), producing a water insoluble and chemical resistant polymer with outstanding penetration in timber, soil, gravel and porous construction materials, producing a very high strength with impact resistant properties.

PHYSICAL PROPERTIES

Color	A Component - Dark Red
	B Component - Brown
	Mixed - Light Brown
Viscosity	Light Motor Oil
Foam Time @ 72°F (mixed)	2 to 2.5 minutes at 72°F
Compressive Strength ASTM C-109 (modified)	2500 psi +/- 250 (The compressive strength of timber poles parallel to grain is 2300 psi. Compressive Strength perpendicular to grain is 475 psi.) Product #431 is 2500 psi +/- in all directions)
Tensile Strength ASTM C-190	670 psi
Flexural Strength ASTM C-293	1200 psi
Water Absorption	0.2%
Classification	Fire Retardant
Volume Swell	2.5 + times
Chemical Resistance	Gasoline, oil & most alkaline liquids
Flash Point, ASTM D 93	400°F +

Termite Repeller	
------------------	--

WHERE TO USE:

Cracked timber or timber eaten away by termites or other insects; hard to get to areas where insulation and/or strength are required.

HOW TO USE:

Product #431 can be poured or pumped. For best results use a double barrel hand gun and static mixer (available from Epoxy.com). When used in soil stabilization, perforated pipes are driven into the ground or water jetting is used to place perforated pipe, steel or plastic.

Product #431 is used where light weight flame retardant foam with structural properties are required, be it timber telephone poles, insulation, pipe sleeves or as an adhesive.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

For more information please contact:

Epoxy.com.

352-489-1666 (Phone)

352-465-3497 (Fax)

info@epoxy.com

www.epoxy.com

Epoxy.com a division of Epoxy Systems, Inc. warrants its products (when properly stored) for the period of time as follows: Epoxies, Product #315, Product #315BC, and Product #316 one (1) year; Polyesters, Methyl Methacrylates (normal) two (2) months and Polyurethanes Four (4) months; Power Tools and Equipment 90 days; Vinyl Esters, High Molecular Weight Methacrylates (HMMA) and all other resins (not specifically mentioned above) 30 days; hand tools (non-power tools) 30 days. Epoxy.com warrants that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Epoxy.com. If any product fails to meet this warranty, the liability of Epoxy.com will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Epoxy.com within the warranty period for the material (as indicated above), or within 1 year of the delivery of materials (whichever is sooner). Epoxy.com may in its discretion refund the price received by Epoxy.com in lieu of replacing the material. No customer, distributor, or representative of Epoxy.com is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Epoxy.com. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Epoxy.com reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. Epoxy.com 'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND Epoxy.com SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. All quotes and sales subject to availability.

Many of our products are made on an individual order basis. Unless authorized in writing by Epoxy.com a division of Epoxy Systems, Inc. in writing before the material is made, there are no returns on items purchased from us, once the order has been processed, and the material made. In the event of authorized returns a restocking charge will be charged in the amount of 30% of the value of the material returned or \$150 whichever is greater. No returns on non-list priced items. All Returns are for merchandise (store) credit only, no cash or credit card credits. In the event of a return, buyer is responsible for the cost of shipping and handling in both directions.