

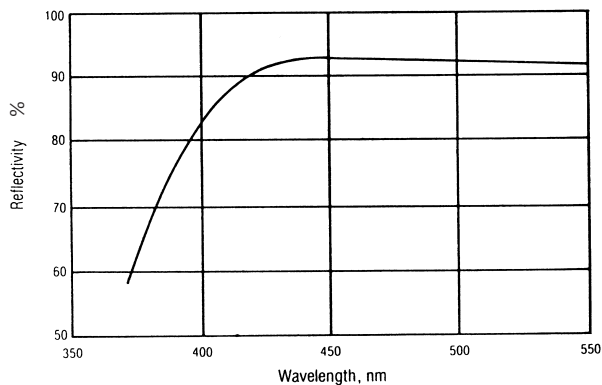
BC-622A

Reflector Paint for Liquid Scintillator Tanks

BC-622A is prepared from a cross-linked polyurethane resin having exceptional chemical resistance to aromatics, which makes it highly suitable for use with liquid scintillators. It is ideal for our benzene-based BC-537 liquid scintillator.

BC-622A normally comes in 500 ml and 1 liter quantities. The paint resin and hardener are supplied in separate containers.

Reflectivity –



Application –

Thoroughly clean and degrease the surfaces to be painted. Roughen with abrasive paper, if possible.

Mix only enough paint and hardener for one coat (approximately 350 ml of mix per square meter). Stir the white paint well before removing from the original can and thoroughly mix the two components in the following proportions:

Paint	2 parts by volume
Hardener	1 part by volume

The mixture has a pot life of about two hours at room temperature.

Quantities of 25 ml or more will have a shorter pot life if allowed to remain in one compact mass owing to the heat generated by the exothermic reaction.

Apply with a brush and let it partially cure (about one hour) then apply the next coat. Three coats are usually required. Curing times are 4 hours at 20°C, or 1 hour at 50°C. Do not exceed 55°C. For cleaning brushes, use methylene-chloride (dichloromethane) or chloroform (trichloromethane).

Safety –

BC-622A gives off flammable vapor and should not be used near open flames. Skin contact should be avoided. Painting should be done in a ventilated area.

Scintillation Products
Organic Scintillators



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