

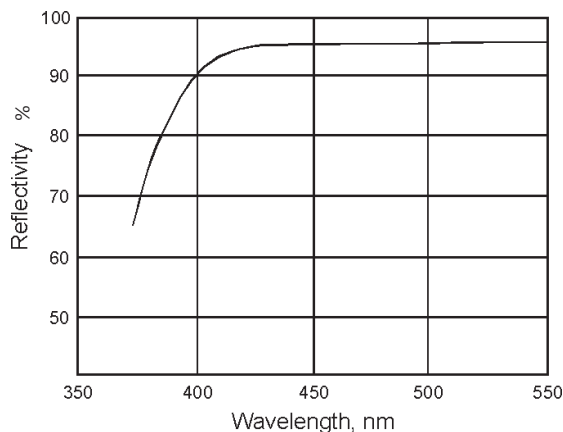
BC-620

Reflector Paint for Plastic Scintillators

BC-620 is a highly efficient reflector employing a special grade of titanium dioxide in a water soluble binder. It is applied directly onto plastic scintillators, acrylic light guides, glass and metals. It is not intended for direct contact with liquid scintillators (use BC-622A for that application). It is a diffuse reflector, and, therefore, should not be applied to sheets of scintillator or light guide material where the length is much longer than the thickness.

BC-620 provides an excellent combination of high reflectivity, excellent resistance to yellowing with age, good adhesion, and ease of application. It is recommended for all scintillators having emission spectra above 400nm.

Reflectivity –



Application –

BC-620 should be stirred or shaken well before using. It may be applied by brushing or spraying, and may be diluted with water as required. Equipment may be cleaned with cold or warm water and detergent. When the reflector is dried, it is not affected by moisture.

Two to three coats are recommended. Allow each coat to dry at room temperature before applying another layer. 300ml covers approximately a square meter with one sprayed coat.

Scintillation Products
Organic Scintillators



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