



Technical Data Sheet  
09 – Sept. 01

**CG-110 Interleaving Powder for the Coated Glass Industry**

SaberPack Interleaving Powder is used in the coated glass industry to provide separation between individual sheets of glass (lites) after they are packaged.

Interleaving Powder must provide adequate separation to ensure that the glass surfaces and coating will not be damaged due to contact between the lites or damaged due to abrasion caused by other forms of contamination.

**CG-110 Product Description and Application Considerations**

The PMMA acrylic beads which are used to produce CG-110 are formulated to provide a greater amount of resilience and elasticity when compared to traditional glass interleaving beads or powders. To make an analogy, whereas traditional interleaving beads are very hard much like a golf ball, CG-110 beads are compressible yet resilient much like a tennis ball. CG-110 is able to provide the required separation of the lites yet the resilient character of the bead will not damage fragile surface coatings. CG-110 will greatly reduce the occurrence of "worm trails" when compared with other interleaving products.

CG-110 contains no stain inhibiting additives. It is intended to only provide separation of coated glass lites.

The mean particle size of CG-110 is approximately 110 microns with less than 1% smaller than 45 microns and less than 1% larger than 180 microns. CG-110 undergoes an extensive particle size classification process prior to packaging in order to ensure a mean particle size of approximately 110 microns is consistently achieved.

CG-110 is packaged in individual 10 pound, heat sealed poly bags.

\*CG-110 is consistently very free flowing. It is critical that dispensing systems be closely monitored when CG-110 is first introduced. Typically, dispensing systems must be "dialed back" to reduce the rate of application. Failure to reduce the dispenser settings frequently leads to excessive coverage and loss of powder from the glass surface. This is especially noticeable in the pack out area and is associated with a significant increase in slip / fall hazards and irritation to the skin, eyes and nose of production workers. With proper dispenser system settings the free flowing character of CG-110 usually allows for a reduction in the amount of powder used when compared to other interleaving powders.

Proper application rates must be determined by each user. SaberPack recommends an initial application rate of 80 – 120 mg per square meter however application rates may need to be modified depending upon special considerations for each customer. Static electricity is the primary means by which interleaving powder is retained on a glass surface and over application of powder will likely cause the powder to fall off the glass due to an insufficient amount of available static charge potential on the glass surface.

For information about methods for determining application rate please refer to the SaberPack Technical bulletin titled ***SaberPack Analysis Methods***.

**Storage**

It is important to store the material in a location where the air temperature and humidity do not experience wide and frequent changes. Storage in the lehr area may fulfill this requirement because the temperature and humidity in this area is usually fairly consistent.

**Powder removal / washing**

Typically CG-110 can be easily removed with simple water washing. The use of an air knife in conjunction with a vacuum system prior to washing will remove the majority of CG-110 from the glass prior to the washer however this is not a mandatory requirement.