



Technical Data Sheet  
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**AL55 & AL55-E Interleaving Powder for the Flat Glass Industry**

SaberPack Interleaving Powder is used in the flat 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 will not be damaged due to glass on glass contact or damaged due to abrasion caused by other forms of contamination between the lites. Ideally, interleaving powder will also prevent the glass from developing surface corrosion damage, commonly referred to as “stain”. Interleaving powder must be easily removed from the lites after extended periods of transportation and/or storage.

**AL55 & AL55-E Product Description and Application Considerations**

SaberPack AL55/AL55-E is a blend (by weight) of 50% adipic acid and 50% acrylic (PMMA) beads. The acrylic beads provide separation of the lites and the adipic acid provides protection from surface corrosion.

SaberPack AL55/AL55-E is best suited for applications where the glass will be stored in a relatively dry to moderate climate and the duration of storage and / or transportation is expected to be 6 weeks or less.

SaberPack recommends an application rate for these powders in the range of 180 to 300 mg/sq meter. Static electricity is the primary force which holds interleaving powder to a glass surface. An application rate in excess of 350 mg/sq meter will typically exceed the capability of the static electric force to retain the powder and migration of the powder off of the glass surface is very likely.

\*AL-55 is consistently very free flowing. It is critical that dispensing systems be closely monitored when AL-55 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 AL-55 usually allows for a reduction in the amount of powder used when compared to other interleaving powders.

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**

Generally, AL55/AL55-E can be removed easily with water. If the packaged glass has been exposed to severe conditions and has become physically wet, AL55/AL55-E may become agglomerated in certain areas. In this event increasing the temperature of the wash water to approximately 40C will typically resolve any washing issues.