



Technical Data Sheet
09 – Sept. 01

UME 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.

UME Product Description and Application Considerations

UME Interleaving Powder is a shortened acronym for Ultra High Molecular Weight Polyethylene. UME is primarily intended to be used with pyrolytic coated glass.

Ultra High Molecular Weight Polyethylene is a very long chain polymer with extremely high abrasion resistance and a very low coefficient of friction.

SaberPack UME is a granular or nugget shaped particle with a mean particle size of approximately 90 microns.

UME is packaged in individual 15 pound, heat sealed poly bags.

Pyrolytic coatings tend to be abrasive especially when they are in contact with plastic materials. Typical acrylic bead interleaving powders lack the toughness required to provide separation of pyrolytic coated lites without the risk of leaving acrylic residue imbedded in the pyrolytic coating.

Because UME has a very low coefficient of friction and excellent abrasion resistance it can separate pyrolytic coated lites without the risk of leaving imbedded residue.

UME is not blended with stain / corrosion inhibitors of any type. UME is highly resistant to reaction with other chemicals. It can be used in conjunction with aqueous solutions of stain inhibitors such as adipic acid or malic acid without detrimental effect.

Proper application rates must be determined by each user. SaberPack recommends an initial application rate of 50 – 100 mg per square meter however application rates may need to be modified depending upon special considerations for each customer.

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 UME 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 UME from the glass prior to the washer however this is not a mandatory requirement.