

GLASS

Storage Specifications

The storage of fabricated glass outdoors, on racks is highly discouraged and will void any/all claims for staining, scratching and surface quality defects. Post fabrication, glass is lightly covered in lucore/ lucite interleaving powder to create a slip between each lite of glass. Lippert uses BASF/Chemetall AL-55 interleaving powder comprised of a combination of Adipic Acid & Acrylic beads. The glass is lightly coated with the powder (Fig. 1) either manually via a cloth sock or through an automated lucore applicator.

Interleaving powder is used when glass is stacked face to face. As more glass is stacked, air is pressed out from between the lites and the two pieces adhere together. In reality, atmospheric pressure on either side of the two lites of glass is pressing against the face of the glass which makes it very difficult to separate and unpack.

To deal with the unpacking problem some form of separation material is required. Many glass manufacturers use paper, cardboard strips or cork/felt dots to separate lites. Interleaving Powder (Lucore) is the preferred approach due to cost and the dunnage waste involved. Lucore is easier to clean up when compared to other materials.

Interleaving Powder (or any separation material) is applied to the glass to create a small air space between lites. That air gap makes it possible to unstack glass for use however, all separation solutions have drawbacks. The air gap created by the separating powder also opens the edges of stacked glass to the surrounding environment.

Because glass is comprised of Soda Ash (sodium) and Lime it is highly susceptible to caustic chemicals. In simplified chemistry, Sodium easily bonds with hydrogen and oxygen (Water). If stacked glass is stored outdoors, the sodium ions of the glass will be attracted to the hydrogen and oxygen in the air or, through condensation, resulting in a sodium hydroxide formation (Fig. 2). The resulting Sodium Hydroxide will etch and stain the glass. Customers/Users who store glass outdoors and experience this issue will inevitably ask, "why are my house or car windows not stained" and the answer is as simple as the moisture dries or evaporates too fast for the ion attraction to take place. When glass is stacked (like a deck of cards on edge) the moisture cannot evaporate fast enough to due to lack of ventilation.

Fig. 1

**Privacy Glass with Lucore separator coating**

Fig. 2

**Magnified corrosion from Sodium Hydroxide on glass surface**



This manual is provided courtesy of **RV Tech Cheat Sheet**



Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.



rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →



Follow proper safety practices. If in doubt, consult a professional RV technician.