

HM Door Construction, Finishing and Handling (All Types)

The following items should be noted with regard to the fabrication and use of specialty hollow metal doors, and their accessories:

1. Acoustic doors, by nature of their largely “uncoupled” construction (very limited, if any, actual sheet to sheet connection) have some tendency to balloon slightly, this is the normal condition and is not to be “repaired.”
2. Our specialty doors are very heavy. They **MUST** be handled carefully so as not to be dropped on a corner. If handled by forklift, there **MUST** be blocking or padding placed between the lift bars and the door(s). Avoid jarring or banging the door as warping of the door can arise due to the “uncoupled” construction. If you have confirmed that a door is warped please contact our field service department for repair instructions before attempting any repairs.
3. Acoustic doors must **NOT** be dropped, or dragged, on their bottom edge, which can damage the seal. These doors are shipped with their seals in the fully retracted position, where they are to remain until all construction debris, power cords, etc. have been removed, and owner occupancy is imminent. Our acoustic doors are **NOT**, under **ANY** circumstances to be “wedged” open. This will damage the seals. We will **NOT** replace (free of charge) seals on any door which, in **OUR** opinion, has suffered this type of abuse.
4. The only practical method of fastening certain components to the door skins is by the use of spot-welding. This process unavoidably leaves minute local depressions a few thousandths of an inch deep. These are minimized by the heavy gauge sheets used in our doors, but, they can still be seen if viewed against a light source. For this reason, we strongly recommend that high gloss paint **NOT** be used.
5. Another consideration involving paint is the matter of potential adhesion to the neoprene gasketing used in the frame-mounted seals of acoustically rated assemblies. It is absolutely imperative that paint on door(s) be completely dry and cured, before the seals are adjusted so as to press against the door. Some types of paint, notably high gloss acrylic (water base), will not manufacturer for their recommendation(s) for this condition.
6. **ALL** paint applied at our factory **MUST** comply with California Air Resources Board standards.
7. We do **NOT** recommend factory finishing of any doors, as, with their substantial weight, they are prone to incurring cosmetic damage during shipping and handling, no matter how carefully they are packaged.