



Blast Resistant Door and Frame Order Form Instructions

Rev. 5 - 2019/04/29

* Items marked with an asterisk (*) are required for quotation purposes. All inputs are required when placing an order.

1. Existing 4000psi normal weight concrete wall or steel channel will be assumed if wall type is not indicated.
2. Petrochemical is typically Cat II and true rebound. Typical petrochemical pressures are 2psi, 3psi, 5psi, 6psi, 8psi, and 10psi (side-on overpressure) with 100ms and 200ms durations. If asked for these pressures and durations, they are likely side-on overpressure and will need to be converted into peak reflected. See ASTM F2247 for static loading terminology and ASTM F2927 for dynamic loading terminology.
3. Only Cat I and Cat II responses apply to static pressure. Pressures up to 170psf without any additional information provided will be assumed to be static pressure, seated, 100% rebound, and Cat II response. If a structural door or specialty hardware is required, additional information should be requested before a quote is provided.
4. Peak applied pressure will be considered as peak reflected pressure unless otherwise indicated. Please indicate the units. Pressure is typically PSI or PSF, duration is typically ms, and Impulse is typically PSI*ms or PSF*ms.
5. Rebound will be assumed to be 0% if not provided for Cat III and Cat IV responses, but must be provided for Cat I and Cat II. End Rotation and Ductility do not apply for static pressure.
6. Only Cat I and Cat II responses apply to static pressure. **DO NOT SELECT CAT III OR CAT IV RESPONSE WITH STATIC PRESSURE.**