

HIGH-PERFORMANCE DOORS FOR HAZARDOUS LOCATIONS



WHAT IS CONSIDERED A HAZARDOUS LOCATION FOR RYTEC DOORS?

Hazardous locations often require special alterations to high-performance doors due to extremely sensitive environmental conditions which may result in combustible reactions. These include but are not limited to ethanol facilities, pharmaceutical facilities, nut processing facilities and chemical manufacturers. They include those sensitive to Class 1 and Class 2 Ratings that require special components compared to standard doors to make them more resistant to extreme conditions and reduce the risk of accidents. Rytec doors suited for hazardous locations are assembled with certain components that enhance operating safety within these areas when using high-performance doors.

CLASS 1 LIQUIDS

Refineries
Adhesives
Chemicals
Pharmaceutical
Ethanol

CLASS 2 DUST

Grains
Nuts
Polys
Coal/Carbon
Wood

WHAT MAKES THESE DOORS SUITABLE FOR HAZARDOUS LOCATIONS?

Intrinsically Safe Components

- Limit Switches
- Positioning Devices
- Bottom Bar
- Electronics
- Controller Enclosure
- Anti-Static Brush Seals
- Anti-Static 2- & 3-Ply Rylon® Panels

Intrinsically Safe Activators

- Pull Cords
- Push Buttons
- Motion Sensors
- Photo Eyes

*PLEASE NOTE DOORS ARE NOT RATED ASSEMBLIES BUT MAY INCLUDE CRUCIAL COMPONENTS RATED FOR THE AREA CLASSIFICATION TO INDUSTRY STANDARDS

WHAT IS THE PROCESS OF PURCHASING A HAZARDOUS LOCATION DOOR?

'Hazardous' implies doors which serve special purposes and must undergo critical examination in each setting and application under consideration. This requires additional time and collaboration between Rytec and the end-use facility. Specifically, a list of requirements must be assessed and met with input from the project manager. See below for an outline listing these key points for quoting a Hazardous Location High-Performance Door. Once this information is complete we can determine which product is right for the application or whether additional information is needed. Please work with a Regional Sales Manager to complete the checklist process.

- 1** **Discuss your needs with a Regional Sales Manager to determine whether a Hazardous Location Door should be considered for your application.**
- 2** **Determine which model of door is best for the application.**
- 3** **Assemble all information in the checklist below.**
(This information can ONLY be determined by the facility or project manager; Rytec relies on this information to be correct when provided as we cannot determine it.)
- 4** **Submit your specifications; we will carefully review and determine if all qualifications have been met; if not, we will request any additional information still needed.**
- 5** **Once all specification requirements are met a quote will be supplied and the order process will begin.**

INFORMATION CHECKLIST

<input type="checkbox"/>	Class - Of area where door is to be installed	_____
<input type="checkbox"/>	Class - Of area opposite of door installation	_____
<input type="checkbox"/>	Division - Determined by classes above	_____
<input type="checkbox"/>	Group - Determined by classes above	_____
<input type="checkbox"/>	Control Panel Location - Same as door/ Adjacent to area of door/Non-hazardous location	_____

Rytec requires completion of all the above information to determine product eligibility. It is the requester's responsibility to obtain and provide this information; Rytec is not responsible for accuracy of furnished data.