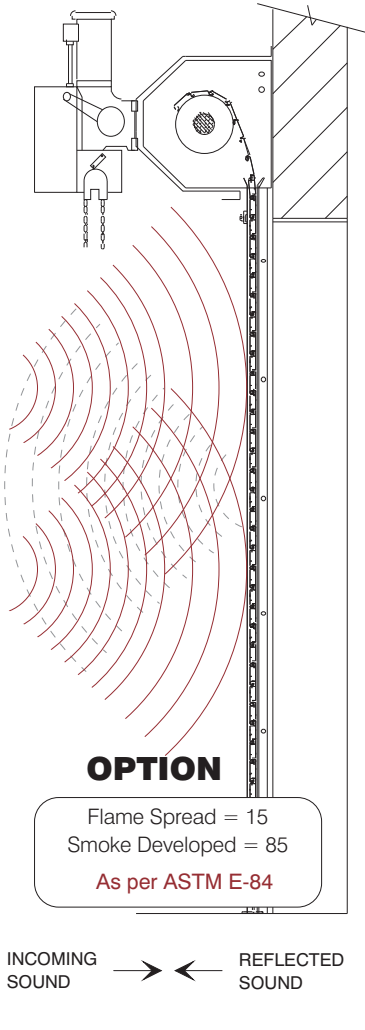


### FULL THERMAL & SOUND BREAK



We also have the ability to accurately match the customer's color requirements when provided with the appropriate material samples.



Extruded plastic backing



Perforated slat

### HIGH PERFORMANCE PATENT # 5419386 **Insul-Sound** SOUND RETARDANT DOOR



### APPLICATION AND USE

ISO 9001 Registered Company

Alpine Insul-Sound HP Doors are ideal for use in areas where a moderate level of sound protection is required. Warehouse Facilities, Storage Buildings, Music Recording Studios are just a few applications.

### THE ALPINE ADVANTAGE AND BENEFIT

**HIGH PERFORMANCE INSUL-SOUND DOORS INCORPORATE ALPINE'S PATENTED THERMAL INSULATION SYSTEM.** Combines full sound and/or thermal insulation. There are very few thermo broken slats on the market today. This is a very important point if your business relies on the thermal performance of your rolling steel door. Although some slats made by others are well insulated, they always have metal-to-metal contact points through which sound as well as heat is easily transferred creating leaks and corrupting the integrity of the protected environment. In the long run this will create extra heating/cooling expenses.

Alpine is proud to announce the entry of a new insulated slat that has no metal-to-metal contact points. As it is shown above, the slat is made up of 4 parts and is available on the perforated flat slat.

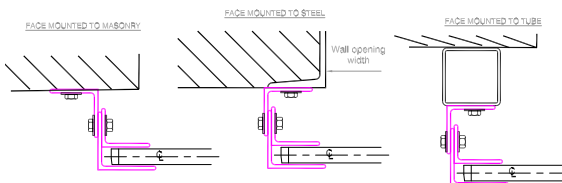
### FUNCTIONAL BENEFITS

With well chosen components and materials it is possible to accomplish a fully thermo broken barrier. This is possible with the HIGH PERFORMANCE ALPINE INSUL-SOUND. It is both thermo broken as well as a sound barrier that will provide full sound protection. This feature is well suited for places that require minimal outside noise interference.

### OTHER RELATED PRODUCTS



### GUIDE CONFIGURATIONS





### DOOR CONSTRUCTION

#### CURTAIN

Constructed of Interlocking, roll-formed 2 3/4", Insulated Plastic Back (IPB) galvanized steel perforated slats, G90 coating exterior (G60 interior), Structural Quality Grade C (ASTM A653/A653M) in 22 Gauge. Optional Gauges in 20 and 18. (Finish Options: phosphate, baked enamel or powder coated.)

#### GALVANIZED ENDLOCKS

Hot dipped galvanized cast iron endlocks and windlocks riveted to the ends of every slat, with (4) four, 1/4" rivets.

#### BOTTOM BAR

Two roll formed galvanized steel angles equipped with vinyl weatherstripping which extends into the guides. Standard finish galvanized as per ASTM A 653/A 653 M.

#### BRACKET PLATES

Steel plate not less than 1/4" thick. The drive end bracket plate is fitted with a sealed ball bearing. The plates are bolted to the wall mounting angle with 1/2" fasteners. The plate supports the counterbalance assembly and forms an end enclosure

#### GUIDES

Guides are designed using structural steel angles with a minimum thickness of 3/16", minimum 1 1/4" slotted connections and removable bellmouth curtain stops to allow for curtain maintenance without removal of the guides. Bellmouth stops shall be flush with the guide groove. (Option: Vinyl Weather Stripping)

#### COUNTERBALANCE ASSEMBLY

Steel pipe barrel of a size capable of carrying a curtain load with a maximum deflection of 0.03" per ft. of door width. The Heat treated helical torsion springs are encased in a steel pipe barrel designed for proper door balance. This is to ensure that effort to operate the door will not exceed 35 lbs. A sealed and prelubricated ball bearing is present at rotating support points. A Charge Wheel is located outside the end bracket, which is used for applying initial spring torque and for future adjustments.

#### HOOD Hexagon (Option: Square or Round)

Produced in #22 ga. steel and formed to fit the contour of the brackets with 3/8" thick intermediate supports used as needed to prevent excessive sag.

#### OPERATION

Push-up, hand chain, hand-crank, or motor operation available. For optional features see the motor operators section in this catalog. Please See Alpine's Motor Operator Page ([www.alpinedoors.com/motoroperators.htm](http://www.alpinedoors.com/motoroperators.htm))

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. Please See Alpine's Access Controls Page ([www.alpinedoors.com/accesscontrols.htm](http://www.alpinedoors.com/accesscontrols.htm))

#### LOCKING

Optional cylinder locks. Also available with padlockable slide locks for latching and locking the door on the coil side of the bottom bar.

#### FINISHES (Optional)

**Exo-Shield™:** The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. Please See Alpine's Color Selection Page ([www.alpinedoors.com/colors\\_standard.htm](http://www.alpinedoors.com/colors_standard.htm))