Weatherized Enclosures
Suitable For Outdoor Installation

The weather resistant construction of Renkus-Heinz loudspeakers produced with the WR option allows them to be installed outdoors and in other harsh environmental conditions.

WR construction is the product of extensive Renkus-Heinz research to determine the maximum amount of protection that can be provided without compromising the loudspeaker’s audio performance.

It has proven itself in hundreds of outdoor and high humidity installations around the world over the last 30+ years.

Applications

Any outdoor installation where the loudspeaker will be exposed to the elements, such as rain, sleet and snow.

Indoor installations in high humidity locations, especially ones with a high amount of chlorine in the air, such as indoor swimming pools.

Weatherized Enclosures

The exact nature of the treatment varies with cabinet types and construction. Enclosures constructed from multi-ply hardwood are finished with a shell of durable, gel coated fiberglass that is virtually impervious to the elements. The multi-ply hardwood is chosen for its durability and low moisture absorption characteristics. Iconyx extruded aluminum enclosures are finished in a durable paint.

The key design element is a 3-layer grille assembly that effectively protects the woofers and drivers from moisture entering the cabinet through the front grille. Together, the 3 grilles form a shield that retards the entrance of water into the enclosure.

All hardware is corrosion resistant stainless steel with all other metal parts nickel plated to withstand a 100 hour salt spray with chlorine test. Stainless steel grilles are available as an option and recommend-ed for added resistance to long term damage in high chlorine atmosphere installations or in other extremely harsh environments

All loudspeaker cones are treated to increase their resistance to moisture absorption and PC boards are coated to reduce moisture absorption and to prevent damage from chlorine atmospheres.

Both self-powered and non-powered conventional loudspeakers are supplied with “pig tails” for external connections and all connector plates are sealed to the cabinet with silicon caulking. Iconyx connection pockets are provided with protective covers and the covers sealed to the unit with silicon caulking.

• Weatherized Enclosures
Offer maximum protection without compromising the audio performance; resist moisture penetration and damage from the sun’s ultra-violet rays.

• IP-55 Rating Under IEC Standard 529:1976
Renkus-Heinz loudspeakers having been weatherized with the WR option qualify for a IP-55 rating under this international standard.

• Weatherproof Finish
Wooden cabinets receive a durable, gel-coated fiberglass finish that is available in black, white or custom colors.

• Unique 3-Layer Protective Grilles
Effectively retard the entrance of moisture into the enclosure, and protect against physical damage.

• Corrosion Resistant Hardware
All internal hardware is rust and corrosion resistant stainless steel and the steel grille is nickel plated to withstand a 100 hour salt spray with chlorine test. Stainless steel grilles are available as an option for extremely harsh environments.

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Protection Against Solid Objects

IP Rating Range:
0 to 6 - No protection to totally protected against dust

Renkus-Heinz IP Rating
Protected against quantities of dust that could interfere with satisfactory operation (limited ingress permitted)

Protection Against Liquids

IP Rating Range:
0 to 8 - No protection to protected against long term immersion under pressure

Renkus-Heinz IP Rating
Protected against low-pressure water jets from any direction