



Quality - Honesty - Integrity

SX COATING PROCESS

The Apogee SX coating process is a state-of-the-art coating system designed for Apogee loudspeaker enclosures that are used under harsh or adverse environmental conditions.

A. Cabinet Construction

All SX cabinets are constructed without the usual handling amenities that are common in Apogee cabinets. The elimination of the external/integral handles prevents unwanted water and foreign elements from being trapped inside the enclosure.

B. Coating (the coating is applied in a six step process to each loudspeaker cabinet.)

Sealer Coat

The sealer coat is a moisture resistant alky based long oil synthetic resin, which imparts dimensional stability by filling all pores in the wood. This coat is applied on both interior and exterior cabinet surfaces. Light sanding prepares the surface for the next coating.

Primer Coat (two step process)

The primer coat is a highbuild, solid aromatic polyurethane. This coating is applied in two steps that enable the cabinet surface to undergo further sanding between primer coats and provide a bond for the topcoats.

Top Coat #1 (two step process)

This topcoat is a high solid, polyester based, UV (Ultra-Violet) stabilized, aliphatic polyurethane that requires a two step procedure to apply it to the cabinet surface.

Top Coat #2

The final top coating is a texturized coating of aliphatic polyurethane that is applied as a finishing coat, providing a cosmetic enhancement and final seal against the elements.

C. Water-Resistant Drivers

All of the driver components are sealed and protected by a proprietary solution that is formulated to saturate the cone surfaces. This treatment protects the cones against moisture and insures long-term cone mass stability.

D. Splash Guard Grills

All SX treated cabinets are fitted with a grill made of expanded steel, coated with a powder-coat finish to protect against corrosion. Each grill is then covered with a sonically transparent nylon mesh (.05 mesh size) that breaks up water droplets and prevents unwanted elements from contacting the drivers.

E. Weatherized Connector Box

All electrical connections to the loudspeaker are mounted in a specially fabricated outdoor junction box. This box is hermetically sealed against moisture, dust or any unwanted element while allowing the addition of steel or plastic wiring conduit.