



# AD-S Series Loudspeakers **Technical Notes**

## AcousticDesign™ Surface-Mount models

**NOTE:** This technical note applies to these loudspeaker models: AD-S32T, AD-S52, AD-S82, AD-S82H, AD-S282H, AD-S282HT, AD-S4T, AD-S6T, AD-S8T, AD-S10T, and AD-S12T

It does not apply to the AD-S802T and AD-S162T column loudspeaker models.

## Painting the loudspeaker enclosure and grille

The QSC loudspeaker models listed above all have injection molded enclosures made of acrylonitrile butadiene styrene (ABS) and perforated steel grilles. These enclosures and grilles can be painted to match any decor using the procedure described below.

For best results, use proper painting technique and a paint system suitable for ABS. Seek advice and materials from a reputable paint supplier.

### Procedure

1. Remove the grille from the enclosure and peel off its backing cloth.  
To preserve the loudspeaker's weather-resistant ingress protection, you will need to reinstall a new backing cloth during reassembly later in the procedure. Obtain a new backing cloth appropriate for the loudspeaker model at [www.qscparts.com](http://www.qscparts.com) or contact QSC Technical Services at +1 (714) 957-7150, and have it on hand.
2. On the front of the enclosure, completely mask the woofer, high-frequency horn, and port, but be careful not to apply tape directly to the driver cone or surround. On the back of the enclosure, mask the input panel and connectors.
3. Fully mask the back of the grille.
4. Wash the enclosure and grille with mild soap and hot water and rinse with hot water. Be careful not to allow any water or soap into the input, woofer, horn, or port. Allow them to dry thoroughly.
5. Scuff-sand the front of the grille and the enclosure surfaces using 320 to 400 grit sandpaper or a 3M Scotch-Brite™ 7447 abrasive hand pad, or its equivalent.
6. Use compressed air to clean all dust from the enclosure and grille.
7. Clean the grille and the enclosure surfaces.
8. Use a clean, lint-free white cloth to apply a suitable prep solution to the enclosure surfaces.
9. Apply the adhesion promoter to the enclosure surfaces.
10. Apply the primer topcoat to the front of the grille and to the enclosure surfaces.
11. Apply the paint to the enclosure.
12. Before you paint the grille, thin the paint as needed so it will not block the perforations as it is applied. Apply paint to the front of the grille.
13. Allow the painted enclosure and grille to dry for at least eight hours before handling.

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14. Remove the masking from the back of the grille and spray it with a light tack adhesive. Carefully lay the new backing cloth in place on the back of the grille.
15. Remove the masking from the loudspeaker enclosure and reinstall the loudspeaker grille.