

SPECIFICATION DATA SHEET

PRODUCT NAME
CASTLE TOP®
HCT160

Mandrel Bend Flexibility: ASTM D 522
Impact Resistance: ASTM D 2794
Adhesion: ASTM D 3359
Water Immersion Resistance: ASTM D 870
Abrasion Resistance: ASTM D 968
Acid Resistance: ASTM D 1308
Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
Salt Spray: ASTM B 117
Cyclic Salt Spray: ASTM D 5894 and ASTM D 5487
Humidity Resistance: ASTM D 2247
Accelerated Weathering: ASTM D 822 and ASTM G 23, ASTM G 151 or ASTM G 153
Color Retention, Florida Exposure: ASTM D 2244
Chalking Resistance: ASTM D 4214
Cleveland Condensing Cabinet: ASTM D 4585
Cure Test, MEK Resistance: ASTM D 5402
Alkali Resistance, Sodium Hydroxide: ASTM D 1308 Procedure 7.2
Organic coatings meet requirements of AAMA 2605 when applied to aluminum.
Panel testing/ratings:
Uplift: UL 1897
Wind Driven Rain: PA 100-95 (for R & D purposes only)
Fire Resistance: UL 790/ASTM E 108
Impact Resistance: UL 2218
Penetration (Foot Traffic): ICC ES ACC 166, Par 4.2
Florida Product Approval: FL2905-R1
Aluminum: ASTM B 209
Copper: ASTM B 370
Zinc: EN 988
Coil Coating: ASTM A 755
Field Tested and Approved.

matching color are also available for fabrication of related accessories by the installing contractor.

Cost:
Contact ATAS product distributors for current pricing.

WARRANTY

Products coated with a fluoropolymer, KYNAR 500® PVDF or HYLAR 5000® PVDF finish carry a thirty (30) year limited warranty against cracking, peeling, chalking and fading.

MAINTENANCE

Castle Top shingles are virtually maintenance free. Surface residue may be easily removed by conventional cleaning methods. Minor scratches may be touched up with a matching paint, available from the manufacturer.

PRODUCT DESCRIPTION

Basic Uses:

Castle Top diamond-shaped metal shingles can be used for residential or commercial applications as a roof or wall panel. In some cases, the shingles may be applied directly over the old roof, eliminating the need for tear-off and disposal of the old roofing material. Recommended slope is 3:12.

Composition & Materials:

Castle Top shingles are manufactured from .032 Aluminum; 16 oz. Copper or .028 Zinc. An expanded polystyrene backer board gives strength to the shingle to allow for foot traffic during installation.

Sizes and Profiles:

Castle Top diamond-shaped shingles measure 15 3/4" by 15 3/4". Actual exposure is 13 1/2" by 13 1/2". There are 78 shingles per 100 square feet.

Colors & Finishes:

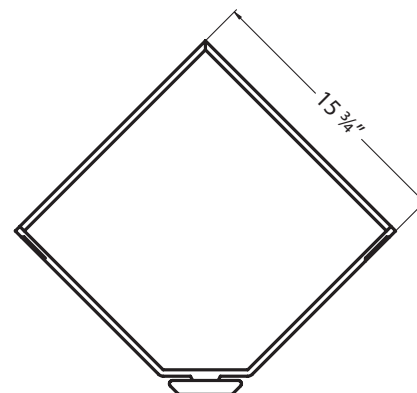
Aluminum shingles are available in a choice of 30 colors in the KYNAR 500® PVDF or HYLAR 5000® PVDF. (Request color chart or chips.) Copper and Zinc shingles have a natural finish.

TECHNICAL DATA

KYNAR 500® PVDF or HYLAR 5000® PVDF finishes tested by paint supplier for:
Dry Film Thickness: ASTM D 1005, ASTM D 1400, ASTM D 4138 or ASTM D 5796
Specular Gloss: ASTM D 523
Pencil Hardness: ASTM D 3363
T-Bend Flexibility: ASTM D 4145

INSTALLATION

Castle Top shingles are installed similar to traditional shingles. The shingles have a turned down edge on the front and a turned up edge on the back for double sealing protection. A concealed fastening system is used. Different colors may be combined to create interesting patterns. Installation manuals or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.



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