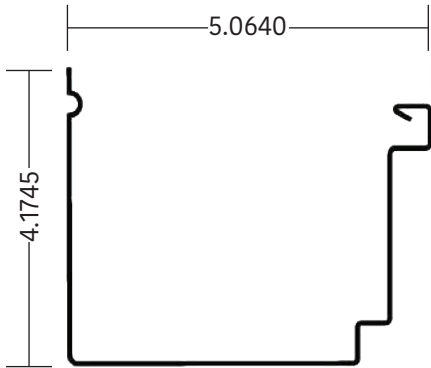


Specification System Specifier



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This guide is designed to assist in the proper specification of Englert's RainPro Gutter System. It is formatted to match the CSI Spec Data System, however is not part of that program.

I. PRODUCT DESCRIPTION

The Englert RainPro Gutter profile is designed for use in residential and light commercial applications where an attractive, yet functional, rain carrying system is required. The large trough is capable of handling high volumes of water that are typically found draining from larger roof installations. This profile is supplied in an .032" thick painted aluminum in long unbroken lengths. Based on local rain fall calculations you can drain the Rain Pro gutter system with heavy duty 3" x 4" downspouts supplied in the same color as the gutter. The Rain Pro gutter is available with a straight back or with the Alcoa style free float hook. End caps and comers are available in the same material and finish as that of the gutter. The basis of design is that this gutter system will carry significantly more water than a standard 5" Ogee Gutter, however its design causes it to appear smaller in size thus more architecturally appealing to the eye.

ii. TECHNICAL DATA

The Englert RainPro Gutter, although smaller than the typical 6" Ogee gutter, is capable of handling up to Thirty-two (32) gallons per minute at a $\frac{1}{8}$ " per foot slope and forty six (46) gallons per minute at a $\frac{1}{4}$ " per foot slope. For complete flow charts, rain fall intensity, drainage factors and expansion calculations see the latest edition of the Sheet Metal and Air Conditioning Contractors Manual, Chapter #1, Roof Drainage Systems.

III. MATERIAL/ FINISHES

- A. Gutters shall be seamless and continuous, with no end laps, rollformed out of 3105-H24 Aluminum alloy, (minimum tensile strength 26,000 psi, minimum yield strength 25,000 psi) or equivalent, .032" thick
- B. Gutter downspouts (leaders) shall be .025" aluminum, 3105-H24 Alloy, 3" x 4"
- C. End caps shall be .032" aluminum 3105-H24 Alloy
- D. Inside and outside Miters shall be .032 aluminum, 3105-H24 Alloy
- E. Downspouts anchors shall be made of the same material and color as the downspouts and installed every 60"
- F. Gutter hangers shall be specially designed .063" thick aluminum support brackets installed at 24" o.c. maximum, using preset fastener attached
- G. SCRATCHGUARD™ is a high performance exterior quality coating utilizing proprietary resin technology that provides a unique appearance and is designed to greatly reduce the metal marking and marring of the coating during installation. The unique properties of SCRATCHGUARD™ offers the owner high satin resistance properties as well as low maintenance requirements. Most dirt and residues are removed with conventional cleaning solutions followed by clean water rinse.

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- ScratchGuard™ Coating: Prior to painting, the metal shall receive a pretreatment to assure for maximum paint adhesion. The exterior finish shall be ScratchGuard™, one-coat system applied in a continuous baked on process in a single operation, comprising of a baked on .75-.85 mil high performance topcoat. The inside of the gutter shall be finished with a polyester backer or wash coat. All exposed accessories used with the Englert Rain Pro Gutter System shall have the same ScratchGuard™ finish as the gutters.

IV. INSTALLATION/ WORKMANSHIP

Before starting work, verify governing dimensions at building, examine, clean and repair, if necessary, any adjoining work on which this work is in any way dependent for its proper installation.

The Englert RainPro Gutter System shall be installed in accordance with manufacturer's recommended procedures. Gutters shall be installed by using specifically designed hangers. Secure gutter hangers by using one hanger, fastened to the fascia board at 24" o.c. maximum.

All gutters shall be in continuous lengths as required for each job. End laps are permitted based on overall lengths and building design. End laps/splices shall be achieved by butting gutter sections together and joining with 4" wide exterior cover plate, of the same material and color as the gutter.

Dissimilar Materials

Exercise care in placing aluminum in contact with other dissimilar metals or materials that are incompatible with aluminum. Provide adequate insulation/separate whatever necessary, such as by painting or otherwise protecting when they are in contact with the gutter or when drainage from them passes over or through gutters.

V. AVAILABILITY AND COST

- Availability: Englert RainPro Gutters are available to you through a network of Englert authorized dealers who are independent contractors with years of experience in the installation of seamless gutters and architectural products.
- Cost: Since cost is a factor dependent of each location, based on how involved the work is, height from the ground level, such as one or two stories, outside and inside comers, slope of the roof, etc., check with your Englert Contractor for job cost information.

VI. MAINTENANCE

Englert's baked on finishes need very little or no maintenance. If cleaning is desired, the surface can be washed down with a mild detergent (soapy water), followed by a rinse of clean water. Detailed care and maintenance instructions are contained in the ScratchGuard™ finish warranty.

VII. WARRANTY

The Englert RainPro Gutter System shall be covered by a limited lifetime and pro-rated ScratchGuard™ Finish Warranty. Contractor/Installer shall provide installation warranty coverage of the actual installation under separate agreement.

VIII. LIMITATIONS

Because of the gauge metal being employed to rollform the Englert RainPro Gutter System, waviness or oil canning can occur in the planer surface of the System. This is not cause for product refusal.