

EFFISUS ALLTITEGUTTER - INSTALLATION MANUAL

An innovative gutter waterproofing liner for gutter repairs based on a self-adhesive EPDM membrane, scrim-reinforced, strong and dimensional stable.

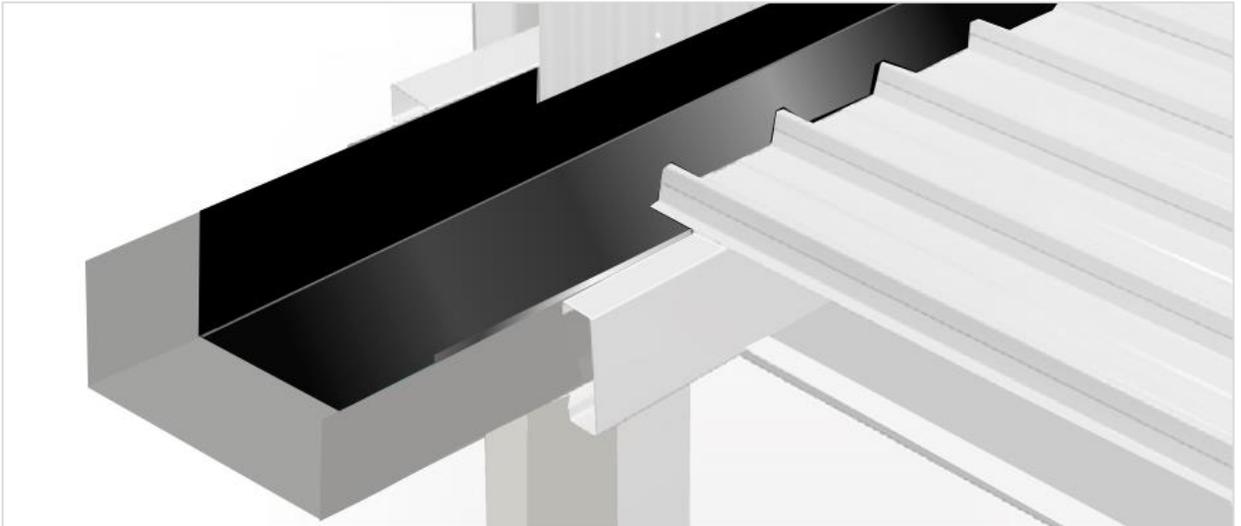


TABLE OF CONTENTS

1. Materials handling and storing	Page 2
2. Substrate	Page 2
3. Preparation	Page 2
4. Installation of Effisus AllTiteGutter Membrane	Page 3
5. Detailing and finishing	Page 4
Overlaps	
Drain outlets	
Corners	

1 - Materials handling and storing

- Check the material packaging and quantities, according to packing list and other relevant documentation. Missing or damaged goods should be reported to Effisus.
- Store all materials according to the product Specifications. Maximum shelf life for the AllTiteGutter Membrane is 12 months.
- Never store products in direct sunlight. All rolls must be stored and transported in a vertical position (except versions in width 1200 mm and wider). Do not store pallets on top of each other. Do not open packages until immediately before installation.
- Keep the work site in good order and free from construction debris, loose nails, steel sheet off cuts etc.
- Make sure that the substrate can carry the load when material is placed on the roof (point load).

2 - Substrate

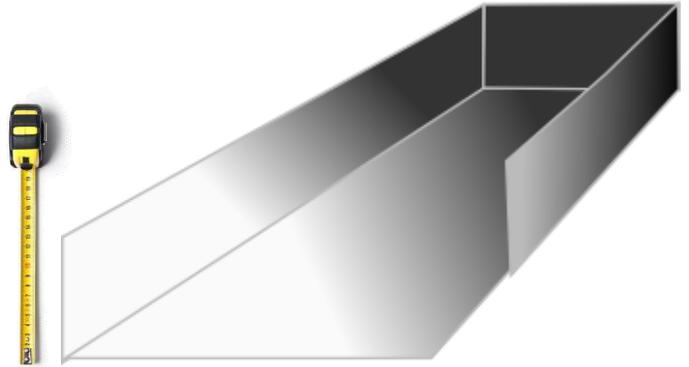
- Substrate should be even and smooth, free from construction debris, loose nails, steel sheet off cuts etc. All places that are uneven (>5mm) must be closed prior to installation.
- An evaluation should be made in order to determine if a primer is required for the substrate pre-treatment. Usually on metal surfaces primer is not required, however this will always improve the adherence of the Effisus AllTiteGutter Membranes, and may be required specially on very damaged gutters. In case of doubt an adherence test should be performed prior to the installation.

3 - Preparation

- Make sure that substrate is ready for application (clean and dry).
- Check if there is a way to split the roof in smaller areas that can be finished in detail during each working period – this will make the intervention easier and safer.
- If the work is interrupted exposed rolls must be covered or put back in their original packaging.
- Do not conduct any work operations until precautionary measures have been taken. Make sure to read the corresponding Material Safety Data Sheets (MSDS).
- Ensure to have the necessary tools/accessories available prior to beginning of installation.
 - ✓ Scissors
 - ✓ Screwdriver
 - ✓ Knife/cutting tool
 - ✓ Pressure roller
 - ✓ Mastic gun
 - ✓ Brush or roller for primer
 - ✓ Measuring tape
 - ✓ Chalk line
 - ✓ Effisus AllTiteGutter Membrane and accessories (Effisus AllTiteGutter Membrane, Primer 9800 (if required), Effisus Bond FT Tape, Effisus Coat SP Primer, Effisus Bonding KF+P Sealant)

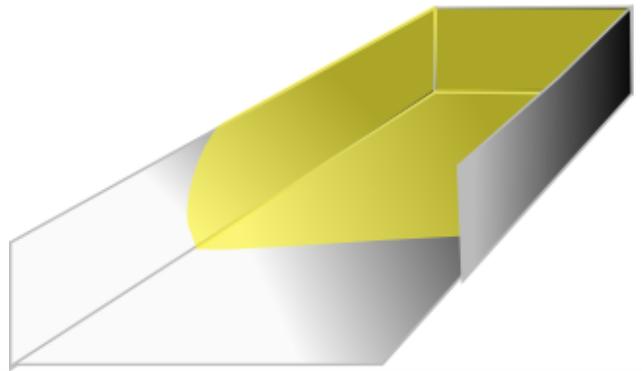
4 - Membrane installation

1. Confirm gutter dimensions and availability on site of Effisus AllTite Gutter membrane with the required size and quantity + accessories. If necessary cut the membrane according with the required width.

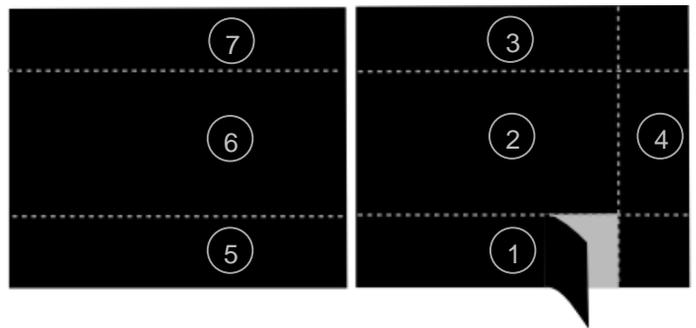


2. Please consider step 2 only in case primer is required: apply the Effisus Primer 9800 into the entire gutter surface with a roll or brush. Allow the primer to dry off before adhering the Effisus AllTiteGutter Membrane.

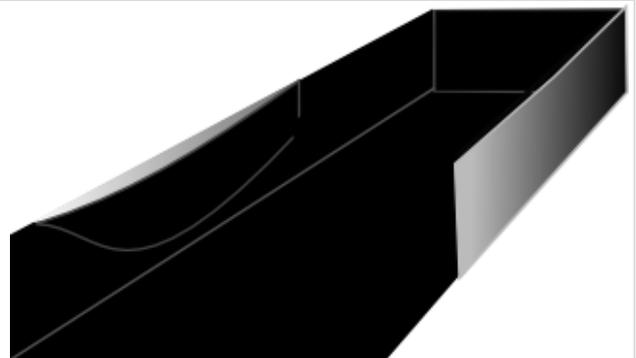
Note: Usually primer is not required on metal gutters. For additional information please check chapter 2.



3. Cut the Effisus AllTiteGutter Membrane into the required dimensions. Cut the protective foil according with the gutter dimensions and areas as seen on the side picture (bottom, sides, etc.) – make sure to the cut the membrane below the protective foil.

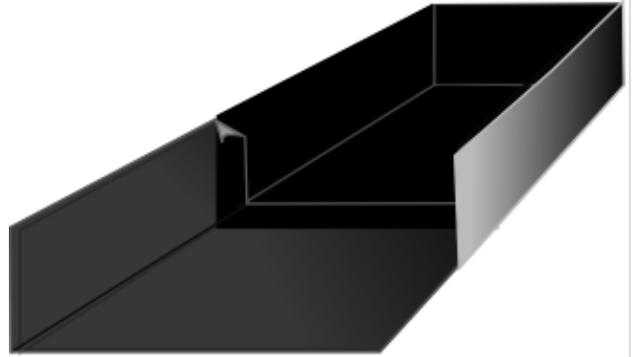


4. Adhere the Effisus AllTiteGutter membrane to the gutter, on the intended final position. Roll it with a silicone roll in order to improve adhesion and make sure that the entire membrane surface is adhering to the gutter surface.

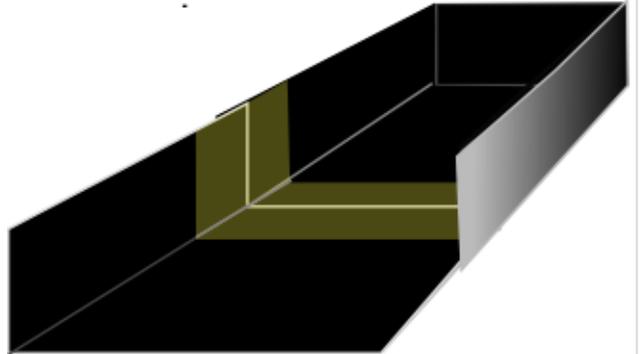


5 - Detailing and finishing Overlaps

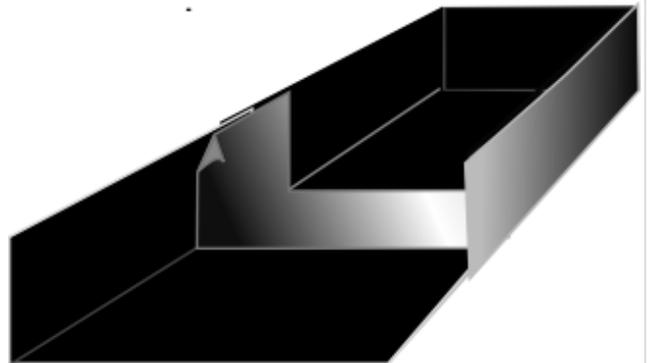
1. Assure a minimum overlap between membranes of 100mm. Roll the overlap between membranes with a silicon roll in order to assure proper adhesion between the 2 membranes.



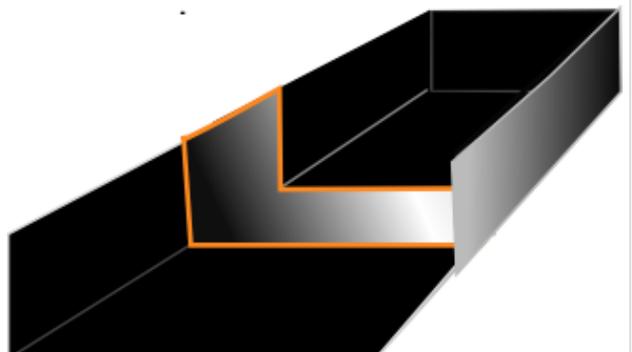
2. Apply a layer of Effisus Coat SP Primer with a minimum width of 152mm, centered with the joint. Allow the primer to dry off before adhering the overlapping joint tape – Effisus Bond FT Tape.



3. Adhere the Effisus Bond FT, centered with the joint, removing the protective foil progressively and pressuring the tape with a silicone roll.

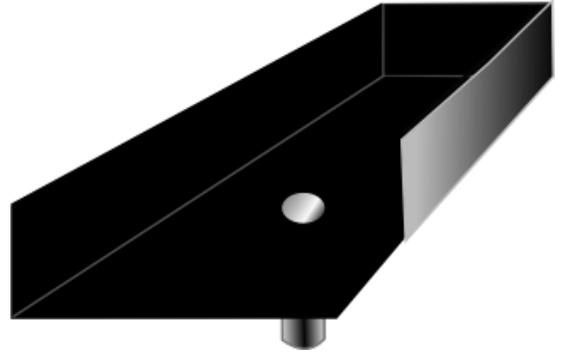


4. Seal the Effisus Bond FT Tape perimeter with a continuous bead of Effisus Bonding KF+P sealant.

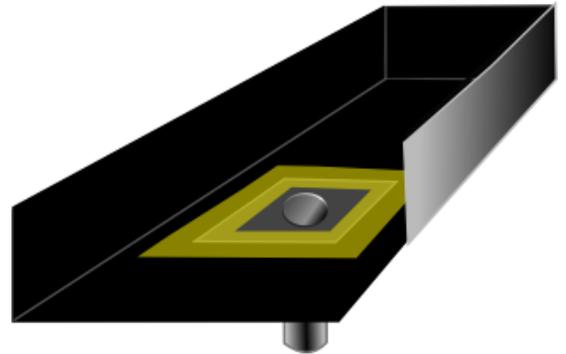


Drain outlets

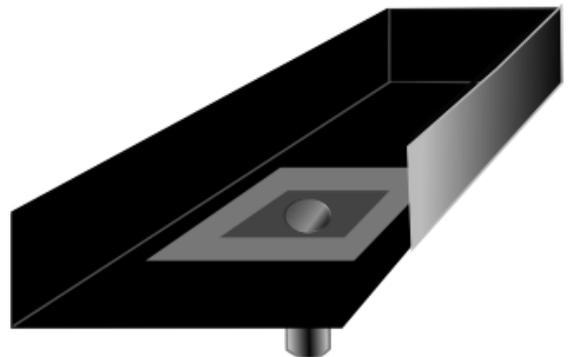
1. Confirm drain outlet diameter and assure that you have the Effisus Connect Drain Outlet with the matching dimension.



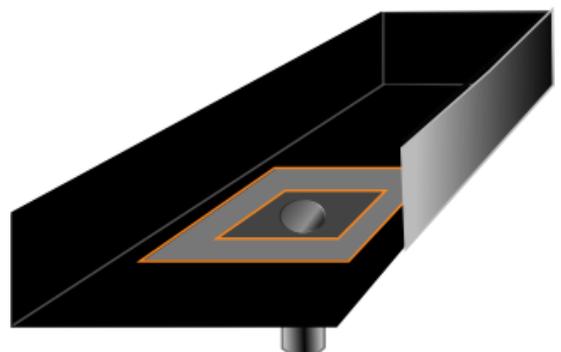
2. Insert the Effisus Connect Drain Outlet into the drain outlet. Apply a layer of Effisus Coat SP Primer with a width of approx. 200mm all along the connection between the Effisus Connect Drain Outlet and the Effisus AllTiteGutter Membrane.



3. Apply a strip of Effisus Bond FT Tape with 152mm adhering the Effisus Connect Drain Outlet to the Effisus AllTite Gutter membrane along its entire perimeter as shown on the picture.

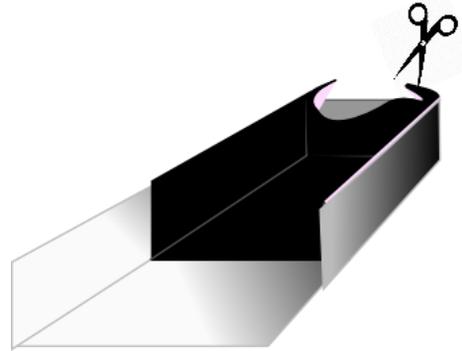


4. Finish with a bead of Effisus Bonding KF+P sealant along the entire perimeter of the Effisus Bond FT Tape.



Corners

1. Bend the membrane at the corners as shown at the picture on the right. Cut the top of the fold and adjust the membrane to the intended position.



2. Remove the protective foil and adhere the membrane to the gutter on the intended position. Press it with a silicone roll in order to promote the adherence of the membrane.

