GUTTERmaster
ALUMINIUM IN CONSTRUCTION

INSTRUCTION SHEET: IS-SG1

SERPENTINE GUTTER SYSTEM

JOINTING INSTRUCTIONS

INTRODUCTION

The Serpentine Gutter System is a direct fix gutter with internal union joints sealed using a compressive tape & low modulus silicone sealant. The gutter joint provides a permanent seal within the manufacturing tolerances of the material, the construction tolerances of the building, and able to withstand the cyclic thermal movement associated with climatic conditions.

JOINT DESIGN

A 100mm wide internal union/butt strap 'snap fitted' in position across the joint. A seal is formed using a compressive tape and a bead of sealant to the internal union edge.

STOP END DESIGN

A 50mm wide internal stop end 'sliding' into position where required. A seal is formed using a bead of sealant to the internal stop end edge.

ASSEMBLY

1. It is essential that prior to sealing both surfaces of the gutter joint are clean and free from oils, grease and debris. Guttermaster recommends the use of Loctite 7063 cleaner and degreaser.

   The following instructions should be followed:

   1.1 Treat surfaces to be sealed by generously spraying with Loctite 7063 cleaner.
   1.2 Wipe surfaces whilst still wet with a clean lint free cloth to ensure that heavy contamination is removed.
   1.3 Spray surfaces again, preferably with surfaces in a vertical position to allow run-off of the cleaner.
   1.4 Allow the solvent time to evaporate until the surfaces are completely dry.

2. Apply two strips of compressive tape along the full internal profile of each end of the gutter length. Position the first strip 10mm from the edge and the second strip 25mm from the first.
3. Set gutters 3mm apart (to allow for thermal movement) and 'snap fit' the internal union clip centrally across the joint.
4. To ensure adhesion and elasticity only low modulus neutral cure silicone to BS5889 (type A) is suitable. Always follow the sealant manufacturers recommendations.
5. Apply sealant in a continuous bead around the edge of the gutter union and tool to a smooth finish.
6. Remove any excess sealant.

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