

TECHNICAL DATA SHEET

90° ANGLED ROOF DRAIN IN THERMOPLASTIC

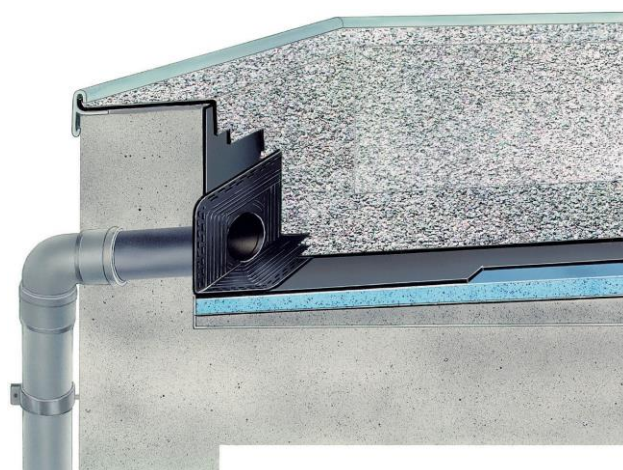
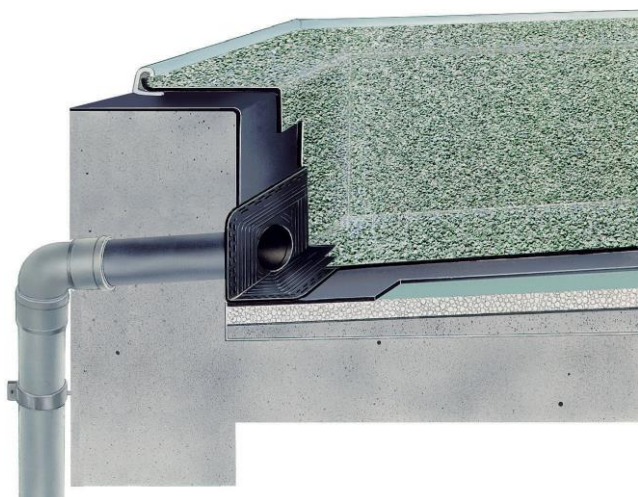
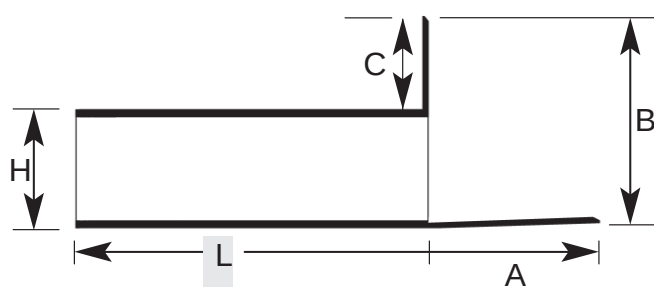
ART. 304SART. 310SART. 305SART. 311SART. 307SART. 312S

90° ANGLED ROOF DRAIN IN THERMOPLASTIC is particularly suitable for use with all kinds of APP, SBS modified bituminous membranes as well as liquid bitumen coatings. This particular item has been studied right down to its smallest details so as to optimize its characteristics thus eliminating problems caused by traditional drains available in the market. The drain is made from thermoplastic rubber that, properly formulated, allows an high resistance to UV rays, ozone and other atmospheric and chemical agents. It can be used in a wide temperature range and it is stable over time thanks to its physical and mechanical properties, which therefore assure maximum performance throughout its lifespan. The drain consists of a truncated body available in various diameters solidly attached to a flange. The angled roof drain as a main characteristic others the possibility of being used for direct discharge from terraces without being connected to down pipes, it can be used with internal or external down pipes but in particular it can be used horizontally on all types of projects were thicker walls are present. It can also be used in conjunction with fittings and curves with secure seal gaskets and for this reason the connections can be made on the inside of walls or very close to the wall. It can be used in conjunction with the following curves and gaskets:

- Art. 310S curved fitting Art. 315 - 320 or with other curved fittings that respect UNI EN 1451-1



ART.	304S	305S	307S	310S	311S	312S
H	63	75	80	100	110	115
A	115	115	115	115	115	115
B	170	170	170	170	170	170
C	112	110	95	75	65	50
L	500	500	500	500	500	500



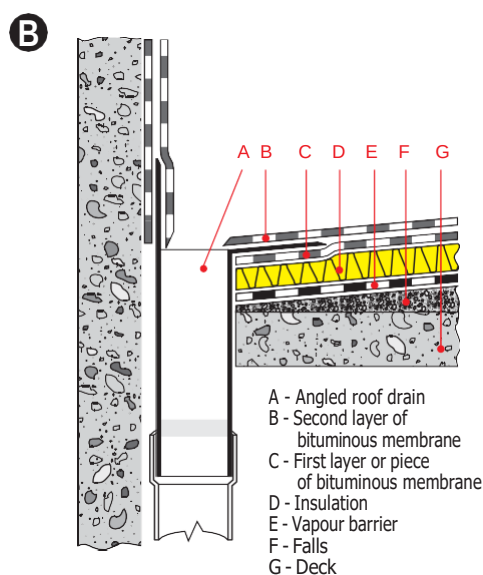
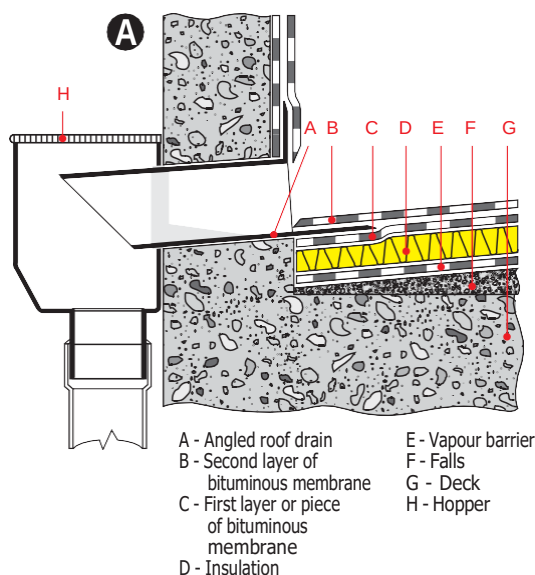
INSTALLATION

METHOD

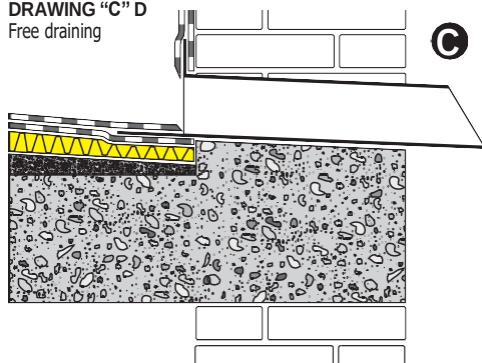
Art. 304S - 305S - 307S - 310S - 311S - 312S

- 1 - Apply a layer of primer to the substrate around the area of the drain pipe (approx 600x600 mm), use the quantities indicated by the producer.
- 2 - Torch apply the first layer of waterproofing membrane and cut out the area in correspondence to the drain pipe.
- 3 - Make sure that there is at least a 3° slope. Insert the drain into the hole and mark the length for cutting. If the drain should be used together with a curved pipe fitting, Art. 320 - 315, the drain should be cut making sure that the lower part is 5 mm longer than the top. If the drain is used with Art. 118, the pipe must be cut at a 45° angle (see Fig. A).
- 4 - Heat the surface of the waterproofing membrane and positionate the roof drain in order to have an adherence of the flange in the low part
- 5 - Heat a piece of membrane and spread the melted compound with a trowel on all the flange.
- 6 - Install the second layer of membrane by heating both the previously spread compound as well as the second waterproofing layer and press down strongly.
- 7 - Before installing the curve, apply a bead of sealant for pipes without gaskets, when possible use curves with gasket according to UNI EN 1451-1
- 8 - Insert the leaf or gravel grate, Art. 26.

Please note: In the case of single-layer waterproofing, at point 2 replace the membrane layer with a piece of the same in the measure of mm. 500x500. It is recommended that all overlapping layers are pressed sufficiently.



DRAWING "C" D
Free draining



DRAWING "D"
Angled roof drain fitted with elbow and pipe fitted with seal

