AS4254 COMPLIANT
FLEXIBLE DUCT HANGING SYSTEM

PPC DUCTSTRAP AND PPC DUCTSADDLE

The following is an Installation guide for using PPC DuctStrap and DuctSaddle to help you to comply with the requirements of AS4254.1 2012.

AS4254.1 2012 SECTION 2.5.3 - HANGERS, SUPPORT AND LOAD DISTRIBUTION SYSTEMS

Flexible ducts shall be supported as follows:-

(a) At manufacturer’s recommended intervals but at no greater than distance than 1.5mt.
(b) The maximum permissible sag between supports shall be 40mm/m of support spacing.
(c) Flexible duct shall extend straight for a minimum 100mm from a connection to an air terminal device before any change of direction.
(d) Hanger material in contact with the flexible duct shall be a minimum width of 25mm. (PPC DuctStrap is fully compliant with the requirements set out in this section of the standard.)

A semi rigid, fire resistant, load-distributing support material, shall be a minimum width of 75mm, shall be in contact with the flexible duct for at least one quarter of its circumference and shall be placed between the hanger/saddle material to spread the flexible duct weight. (PPC DuctSaddle is fully compliant with the requirements set out in this section of the standard.)

PPC DUCTSTRAP
Manufactured from a high tensile polyethylene weave.
Size:- 25mm wide.

PPC DUCTSADDLE
Manufactured from a Fire-Resistant multi layered Foil/Kraft/Scrim laminate zone coated with PPC #760 double sided tape. Size:- 75mm wide.
PROVIDES A SEMI RIGID, FIRE RESISTANT, LOAD DISTRIBUTING SUPPORT SYSTEM FOR FLEXIBLE DUCT.

INSTALLATION PROCEDURE:

1. To comply with AS4254.1 2012, cut a length of DuctSaddle to at least 1/4 of the circumference of the flex duct.
2. Roll off the amount of DuctStrap you will require to hang the flex duct up.
3. Remove the release line paper from the DuctSaddle.
4. Find the mid-point in the length of DuctStrap.
5. Lay the mid-point of the DuctStrap onto the adhesive strip on the DuctSaddle.
6. Place the DuctSaddle in position under the flex duct with the DuctStrap facing outwards.
7. Using an approved method, attach the DuctStrap to the building structure and adjust the length to suit.