



100MM WIDE FABRIC **PRODUCT - PN 100 E.C. GREEN**

TUF-FLEX

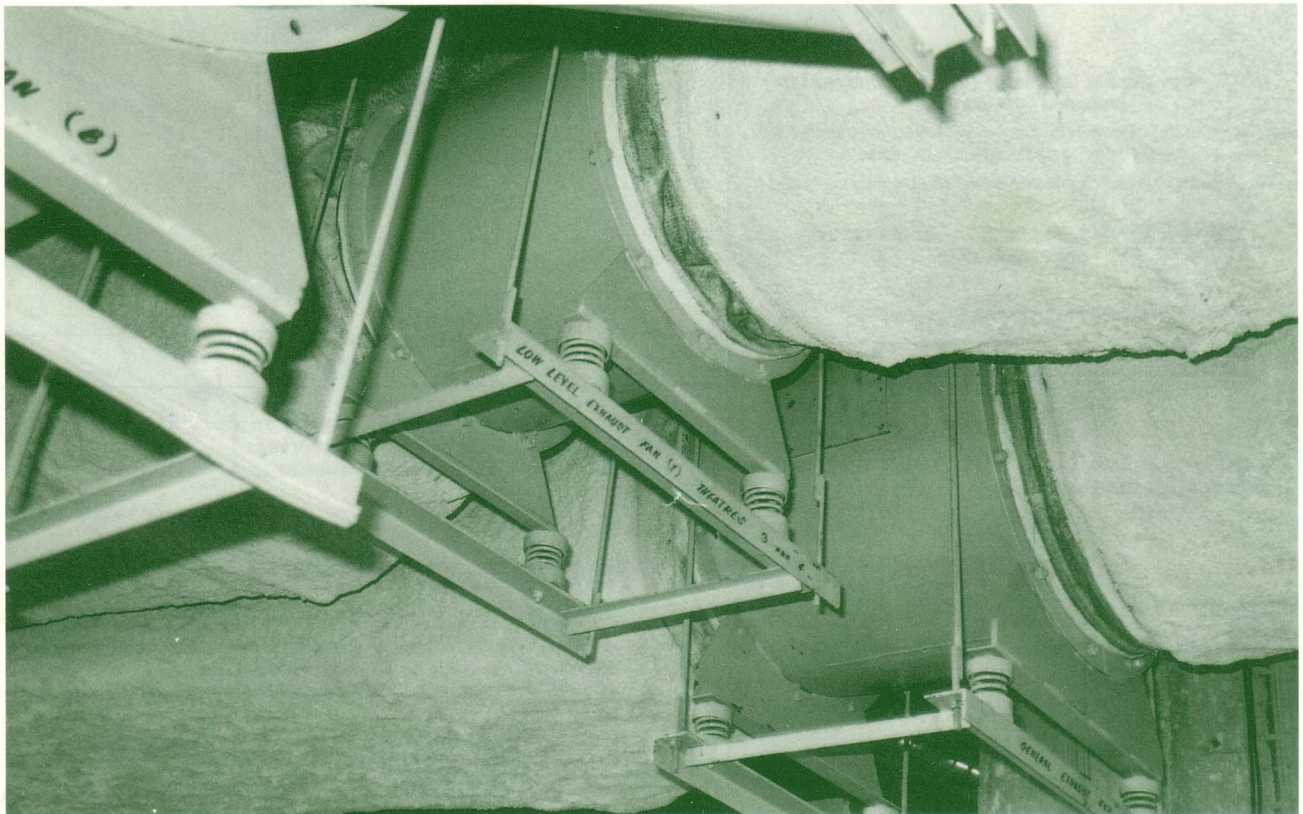
GREEN

METAL EDGE FLEXIBLE DUCT CONNECTOR

TUF-FLEX PN 100 E.C. metal edge flexible duct connector is a high strength, tough, economical air duct flexible connector for commercial, industrial and residential use. Creates a non-metallic periodic joint in the duct run, this absorbs expansion and contraction, isolates and arrests vibration and noise. PN 100 E.C. comprises fabric of heat stabilised and reinforced woven polyester, both sides coated with plasticised P.V.C. formulated to be flame retardant, UV stabilised and fungal protected.

TUF-FLEX PN 100 E.C. is suitable for use in a broad range of air handling systems including toxic, chemical and harsh environments. It offers excellent flexibility, fluid resistance, cleanability and high abrasion resistance.

TUF-FLEX PN 100 E.C. Green is recommended for air handling systems within the scope of specification (see specifications, rear of this page). It will give long and durable performance within temperature range of -10°C to $+75^{\circ}\text{C}$. Is best suited for use in situations not directly exposed to weather (eg. plant rooms, attics, cellars or shielded from weather.)

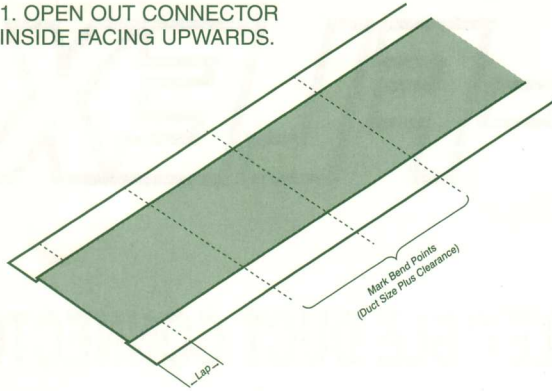


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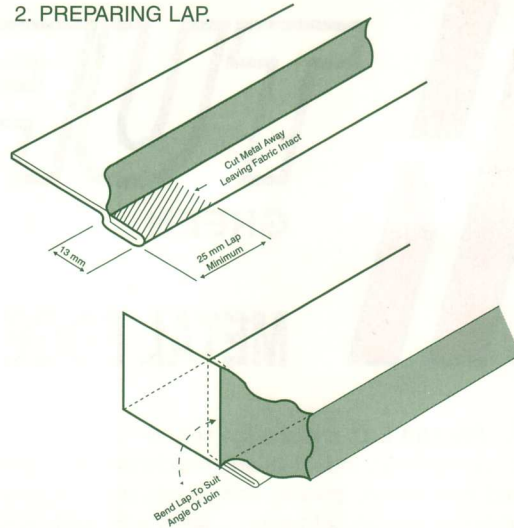


USING TUF-FLEX FLEXIBLE CONNECT

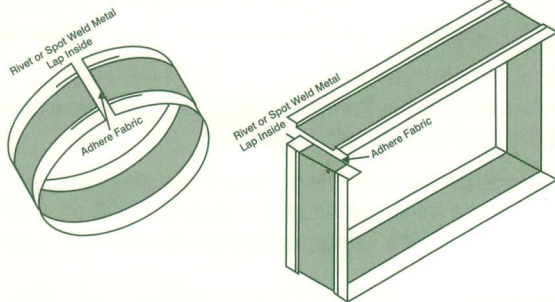
1. OPEN OUT CONNECTOR INSIDE FACING UPWARDS.



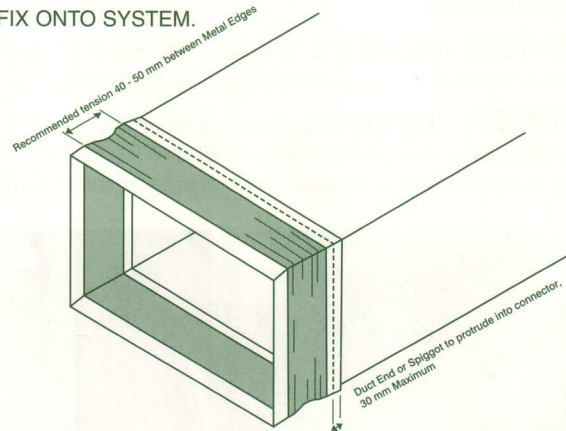
2. PREPARING LAP.



3. ROLL OR BEND TO FORM CONNECTOR.



4. FIX ONTO SYSTEM.

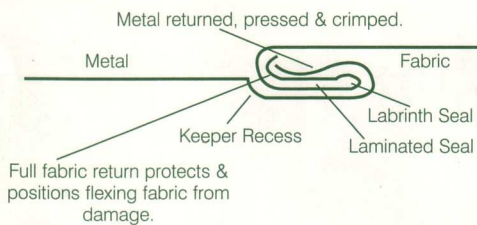


NOTE: When shaping Tuf-Flex PN 100 E.C., fabric must be protected from damage.

e.g. When rolling - Open large gap between rolls, roll together with medium corrugated cardboard to inside.

When folding - Use a pan brake, adjust so only metal is folded (do not pinch fabric).

TUF-FLEX features proven Tuf-Loc. Metal to fabric longitudinal seams.



• Design distance between duct and spigot to be joined 100 mm

SPECIFICATIONS PN 100 E.C. GREEN

- Weight** - .79 kg per Lineal Metre
- Metal Edge** - .65 TCT B.H.P. Galvabond to AS 1397 - G 300, Z275
- Fabric** - Base - 1100 Decitex heat stabilised reinforced woven polyester, coated both sides with plasticized P.V.C. elastomer.
- Colour** - Fabric (Olive Green)
- Metal Edge (Bright Silver)
- Temperature Range** - Continuous Maximum 75°C
- Short periods Maximum 95°C
- Continuous Minimum -10°C
- Flex-Crack Resistance greater than 400,000 cycles (AS 1441.6).
- Coating Adhesion** - 10kg to 25mm square
- Strength** - Warp 1600 N/50mm Square
- Tear 500N force.
- Weft 1600 N/50mm Square
- Tear 500N force.

Age shrinkage approximately 2% over 10 years. Hydrostatic Absorbency 2% of fabric mass, watertight, no air leakage.

Lap joining adhesive - Pipegrip type N (AS 3879). Adhesion strength 10kg to 25 mm Square. (Delamination)

Not affected by mildew, mould, fungus or micro-organisms.

Resistant to UV, Ozone attack but not recommended for exposed locations unless weather covers fitted to shield fabric (mild colour fading and surface deterioration detectable after 6 years exposed.) Resistant to acids, alkalis, alcohols, aldehydes, water, vegetable and animal fats and most toxic environments.

Not recommended for use where concentrations of esters, halogenated hydrocarbons, ketones or phenols are present.

Tested as per Australian Standard 1668 Part 1 in accordance with Procedure 1530 Part 3 by A.W.T.A. textile testing.

Ignitability index 17	Range 0 - 20
Spread of flame index 8	Range 0 - 10
Heat Evolved Index 6	Range 0 - 10
Smoke developed 8	Range 0 - 10

Flame retardance - less than 5 seconds afterburn (AS 1441.13)

Packaging - 40 Metre (131.2' feet) continuous length TUF-FLEX PN 100 E.C. connector is packed and shipped in sturdy dispenser type cartons ready for shaping and installation in Duct Systems.

Packed Weight - 33 kg

Product Weight - 31.6 kg

Masfield Manufacturing Pty. Ltd. reserves the right to alter, modify or improve its products without prior warning or public notification.

Specific application and technical details available upon request.