



GENERAL INFORMATION

FIXING & SEALING

SEALING AND FASTENING SYSTEMS.

DEC International delivers various tapes to support the product assortment of flexible ducts. The tapes have been composed from different raw materials to ensure that the tape you need can be delivered by DEC International. The tapes should be applied to dust-free and fat-free surfaces to get a good adhesion. DEC also offers a wide choice of products for sealing various components of air conditioning- and air supply systems. The operating pressure has been measured under laboratory circumstances at a 20°C temperature. The information below is only informative. DEC International disclaims all responsibility of misinterpreting the data. To select the appropriate product within the **SEALING AND FASTENING** group consult the table below

TAPES

| Type | Temp. range (°C) | Max. Operating pressure (Pa) at + 20°C | Adhesion ¹⁾ | Max. adhesion after/per | Application ²⁾ | Fire resistance according to |
|-----------|------------------|--|------------------------|-------------------------|---------------------------|------------------------------|
| ASB | -20 - +70 | +2000 | 2.0 kg/cm | 24 hours | ▲▼ | DIN 4102, B2 |
| PSB | -20 - +60 | +4000 | 3.6 kg/cm | 24 hours | ▲ | DIN 4102, B2 |
| ALU | -10 - +90 | +1000 | 38 N/2.5 cm | immediately | ▲▼ | BS476 Part 7, klasse 1 |
| ALU-R | -10 - +90 | +1000 | 38 N/2.5 cm | immediately | ▲▼ | BS476 Part 7, klasse 1 |
| PVC | -18 - +90 | +1000 | 0.4 kg/2.5 cm | immediately | ▲ | - |
| Duct tape | -20 - +75 | +1500 | 0.55 kg/ cm | immediately | ▲▼ | - |

SEALING MATERIALS

| Type | Temp. range (°C) | Max. Operating pressure (Pa) | Adhesion ¹⁾ | Drying time | Application ²⁾ | Fire resistance according to |
|------|------------------|------------------------------|------------------------|-------------|---------------------------|------------------------------|
| GT | -30- +80 | irrelevant | 1.0 kg/2.5 cm | immediately | ▲▼ | DIN 4102, B3 |
| SDS | -25- +75 | +2500 | - | immediately | ▲ | CSTB,class M1 |
| WDS | -30- +80 | +2500 | - | 48 hours | ▲ | - |

1) the surface has been specified on the information page:

2) application - ▲ = inside use - ▼ = outside use

DEC International offers you a large number of fastening articles for a wide range of purposes. All products within the **FASTENING** product group are intended for mounting ducts and flexible ducts. This product group also contains a number of products on behalf of the fastening of flexible ducts to round, rectangular and oval connections. The support clamps are particularly suitable for suspending heavier weights, e.g. air conditioning units.

FASTENING PRODUCTS

| Type | diameter / size | material |
|--|----------------------------|--|
| Flexible connection "DEC Connector" Sendzimir galv. steel or stainless steel with: • Silicone • Polyurethane • Neoprene • Vinyl | variable | Sendzimir galv. steel or stainless steel (316 Ti) with: • silicone • polyurethane • neoprene • vinyl |
| Metal clamp | variable, 50 - 660 mm | • strip: stainless steel • clamp: galvanized steel |
| Multiband/clamps | variable, until 30 metres | • strip: stainless steel • clamp: galvanized steel |
| Nylon Quick Clamps | variable, 0 - mm | • Nylon |
| Spiral clamps | fixed, 80 - 400 mm | • Sendzimir galv. steel |
| Self drilling screws | 13 - 50 mm | • Galvanized steel |
| Self-adhesive pins | 19 - 140 mm | • Galvanized steel |
| Welding pins | 25 - 105 mm | • Galvanized steel |
| Support clamps | M6 up to and incl. M12 | • Galvanized steel |
| Threaded rods | M6 up to and incl. M12 | • Galvanized steel |
| Suspension strap • Type PP • Type PZ | width 19 mm width 17 mm | • copolymer coated galv. Steel • galvanized steel |

LIABILITY:

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PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

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