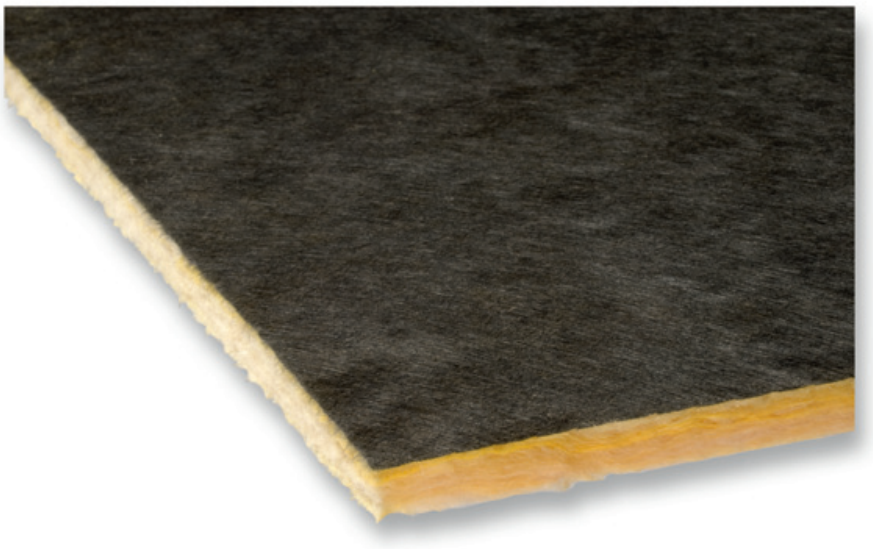
DI/P30

- Glasswool
- Standard
- 25 or 50 mm



Glass wool insulation plates type DI/P30

Glass wool duct insulation plates with black fiberglass foil

Application

- For internal thermal and acoustic insulation of HVAC ductwork applications, acoustic splitters or acoustic housings

Material

- Glass wool plate with glasswoolfibers, glued on a black fiberglass screen

Colour

- Yellow mineral glasswoll with black fiberglass screen

Composition

- Mineral glass wool matress with horizontally orientated glasswool fibers
- Black fiberglass screen

Characteristics

- Heat conductivity of 0.032 W/mK at 10°C and volume mass max 32 kg/m³
- Application temperatures up to 125°C
- Non hygroscopical and non capillary material
- Fire resistance class A2-s1,d0
- Size 2.4 x 1.2 m (2.88 m²) per plate with a thickness of 25 mm or 50 mm
- Wrapped with 40 pieces (thickness 25 mm) or 20 pieces (thickness 50 mm) in polyethylene shrinkfoil
- Maximum air velocity 12 m/s
- CE certificate 64721
- Store in dry area
- Wear protective clothing when installing

Mounting

- To be glued on inside ducts
- To be pinned on surfaces by means of insulation pins with washers

Accessories

- Contact glue, type **POWER SPRAY**
- Insulation self-adhesive pins with washers, type **CD 32** or **CD 63**

Text for tender

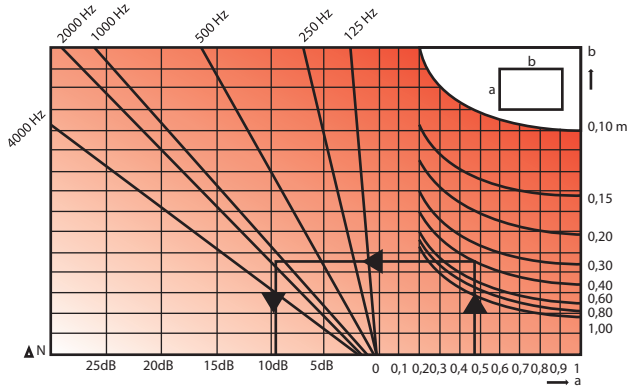
- The thermal and acoustic internal insulation will be done by means of glass wool insulation plates of 25 mm or 50 mm. The matresses consist of mineral glass wool fibers glued on a black fiberglass screen.
- CAIROX Type **DI/ P30-25** or **DI/ P30-50**

Order example

- **DI/P30-25**

Explanation
DI/P30-25 = Glass fiber acoustic insulation plate of 25mm thickness

Attenuation table



acoustic properties							
DI/P	Hz	125	250	500	1000	2000	4000
30-25	α_s	0.07	0.22	0.51	0.71	0.85	1.03
30-50	α_s	0.19	0.56	0.94	0.98	1.02	1.13

Symbols and specifications

α_s = absorption coefficient in sabine
Hz = frequenty band in Hertz
DI/P30-25 = insulation plate thickness 25 mm
DI/P30-50 = insulation plate thickness 50 mm

Attenuation example

example:
Duct of 0.50 x 0.40 m
Frequency: 2000 Hz
Reduction per channel:
type 602 25mm: 9 dB
These graphs are the translation of the formula:
$\Delta N=1,05\alpha_s^{1,4}\ p/s$ dB/lm
with ΔN = noise reduction in dB /lm.
α_s = sound absorption coefficient according sabine.
p = inner circumference of the channel in lm: 2 (a + b)
s = inner surface of the channel in m^2: (a x b)
Sound absorption coefficient
α_s (according sabine)