

PRE-INSULATED DUCT PANEL – PROFILES



The profiles used to build the pre-insulated duct panels are available in aluminium as well as pvc.

The same profiles can be used for the assembly of phenolic, PU and XPS duct panels with 20 mm thickness.

In below table the different types are mentioned:

PROFILES		
Item code	Description	Length
AH4	Aluminium H-profile	4 mtr
AU4	Aluminium U-profile	4 mtr
AF4	Aluminium F-profile	4 mtr
AC4	Aluminium C-profile (Chair)	4 mtr
AI4	Aluminium I-profile (invisable)	4 mtr
PH4	PVC H-profile	4 mtr
PU4	PVC U-profile	4 mtr
PF4	PVC F-profile	4 mtr
PC4	PVC C-profile	4 mtr
PI4	PVC I profile	4 mtr



F-profile



U-profile



I-profile



C-profile



H-profile

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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 physical properties. These properties are also dependent on humidity and the temperature of the air outside of the H.V.A.C system

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PROFILES ACCESORIES		
Item code	Description	Unit
ACP	Aluminium 90° corner piece	pce
ARP	Aluminium round plate	pce
ACCP	Aluminium corner cover cap	4 mtr
ARB	Aluminium Round bar	4 mtr
PCP	PVC 90° corner piece	pce
PCCP	PVC corner cover cap	pce



ACP



ARP

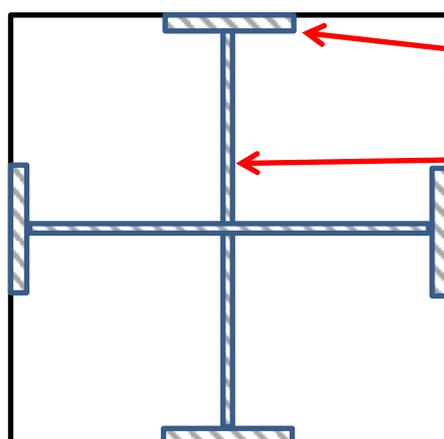


ACCP



ARB

If ventilation channels are built with a large dimension (>1000x1000mm) we advise to strengthen the channel buy placing an ARB with 2 pcs ARP (one on each site to be fastened with a screw) on each linear meter of the channel.



ARP

ARB

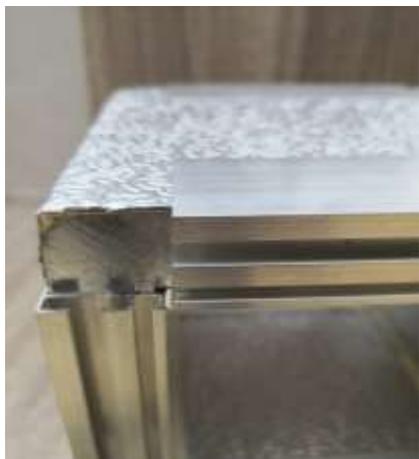
The channel can now resist a higher force from outside, therefor less change of deformation during and after installation.

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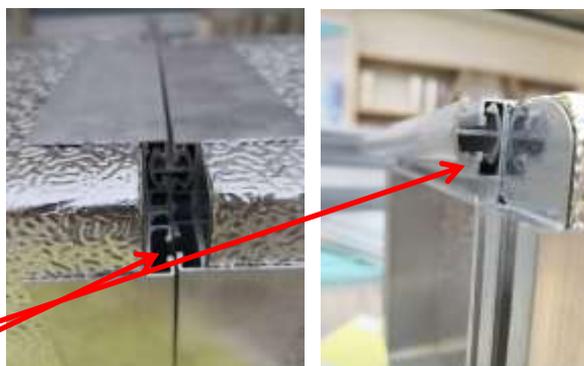
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For length assembly of the ventilation channels, the common profiles used are the I-profiles together with H-profiles. By sliding the H-profile into the I-profile an invisible connection can be achieved. The 90° degree corner pieces are placed underneath the I-profile at the corner, see photo left.

The ventilation channels will be assembled and transported to the location of the installation where during the installation channels will be connected with each other by sliding the H-profile into the openings created by 2 I-profiles.



After the ventilation channels are connected, the cover cap can be placed around the corner to ensure a beautiful invisible finish of the connection. The corner cover cap can be fastened with sealant/glue onto the corners or with some self-drilling screws.

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