Cold-store and deep-freeze construction

Base design

As of: 09/15

K 401.1
Cold-store and deep-freeze construction

Base design

As of: 09/15

K 402.1
Corner design

- ROMA panel
- Sectional areas with PUR foam adhesive
- Seal
- Outside corner angle
- Aluminum bracket or inside corner trim

Cold-store and deep-freeze construction

K 403.1

As of: 09/15
Corner design for walk-in freezers

Inside corner angle

Vapor barrier glued on

Mineral wool

Vapor barrier glued on

Clamping strip

Soft PU foam strip 100/30

Outside corner coated metal sheet trim 0.75mm

Vapor barrier with aluminum foil and expansion bend
Cold-store and deep-freeze construction

End lap formation with horizontal panel installation

External base construction

PU panels

Steel upright

Halfen framing channel 38/17 welded on

fill in with foam locally

Hammer-head bolt type HTA 38/17 galvanized, 380mm spacing

Top-hat profile 60/40/40/40/60/3 galvanized with elongated holes 18/32

U profile 35/60/35/3
Length 39mm, with bore hole Ø 13

Hexagon nut M12
Cold-store and deep-freeze construction

End lap extension with vertical panel installation

Internal base construction

In-situ foam or mineral fibre

Type 2 15/4 open-cell

Seal approx. 30cm of side joint with sealant

Vapor barrier
End lap extension with vertical panel installation

Internal base construction
Corner formation with horizontal panel installation

Inside edge of the main supports

Bracket 150/150/15 galvanized steel

HTA 38/17 Halfen framing channel welded in

Hammerhead threaded plate type 38/17

Threaded rod M12 galvanized spacing 380mm

Top-hat profile 60/40/40/40/60/3 galvanized with elongated holes 18/32

U-profile 35/60/35/3, length 39mm, with bore hole ø13

Hexagon nut

Sealing tape

PU panels

Indoor

Cold-store and deep-freeze construction

External base construction

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Cold-store and deep-freeze construction

Ceiling-wall connection

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K 409.1

Outside corner angle
Seal
PUR foam infill
ROMA panel

Aluminum bracket or inside corner trim
Cold-store and deep-freeze construction

Ceiling suspension

Suspension spacing = 1.20m
Payload suspension = 550kg
Payload Alu-T = 460kg/m

Clamping sleeve

Threaded rod M10 A2 left or right
ROMA panel

Locknut M10 A2 left or right
Bitumen tape with aluminum foil
Suspension SW 17 M10 left or right

12mm min. screw penetration

Rivet or metal screw
Alu-T 60 x 100 x 4

M10 x 18 A2 right
Spring washer A2
Construction foam

Connecting plate for Alu-T-profile

4 x M10 A2
Alu = 4mm

Alu-T 60 x 100 x 4

Cold-store and deep-freeze construction

Ceiling suspension

K 410.5

As of: 07/16
Cold-store and deep-freeze construction

Roof parapet design