



Interiors

by **INEXA**

Craftsmen to the world's finest ships



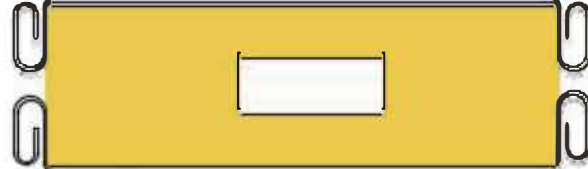


TNF




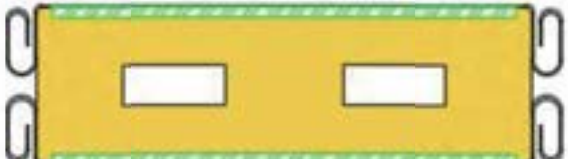
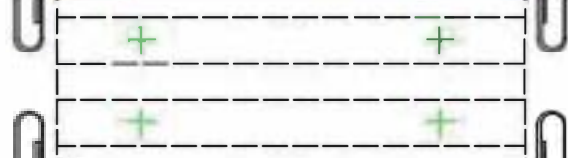
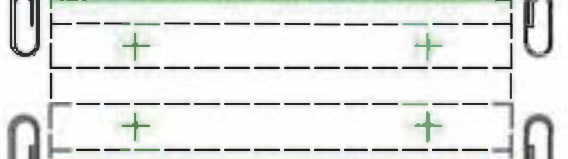
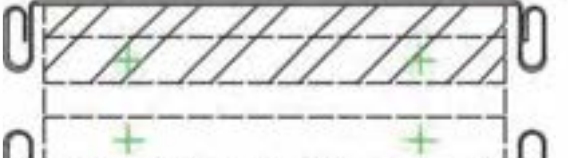

Panel C

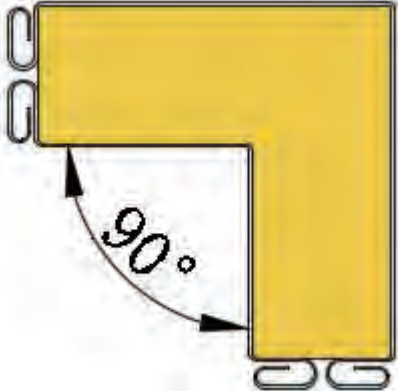
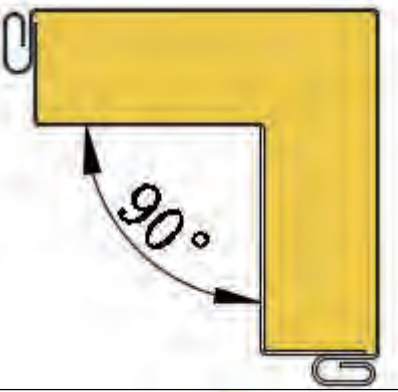
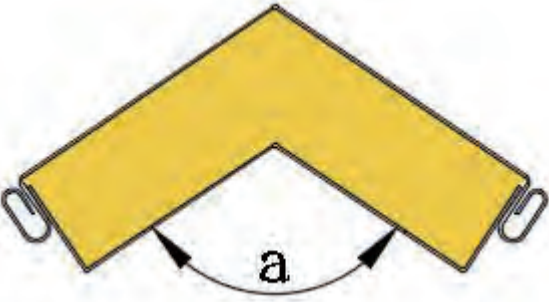
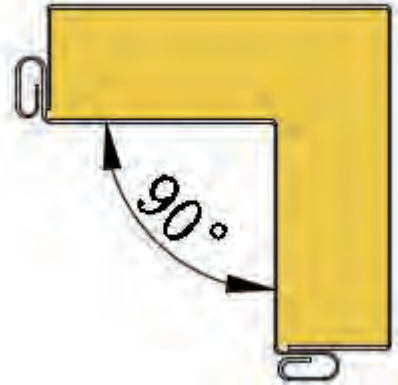
TNF Inexa

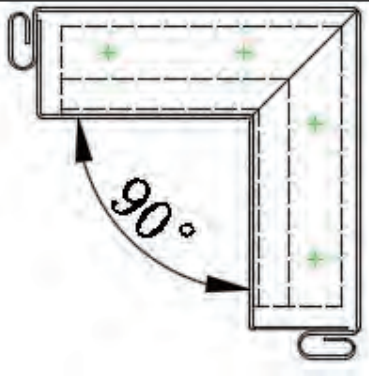
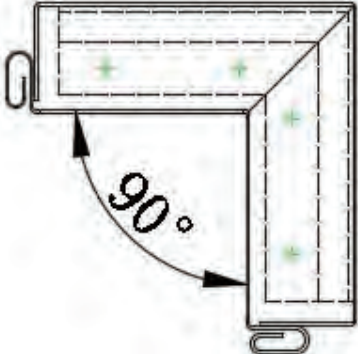
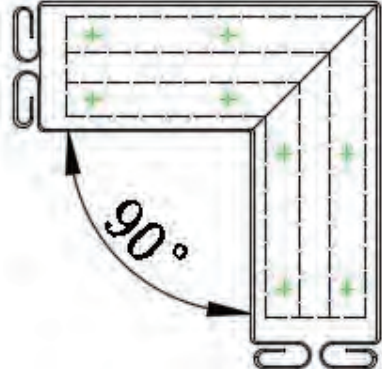
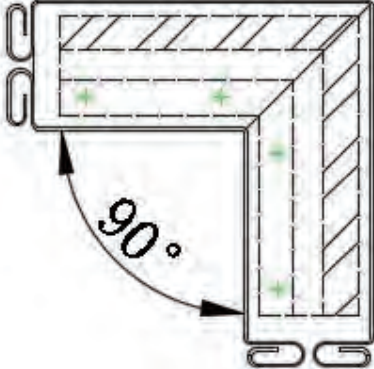
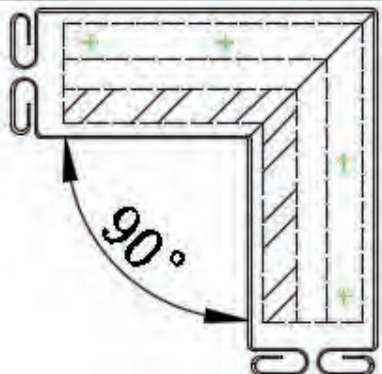
The TNF C-type rock wool wall system offers total flexibility and the shortest installation times in the market for panels in standard thickness of 25 and 50 mm, width of 550 mm and length of 2500mm.

In addition to TNF Standard C-type rock wool panels, we also offer High Noise Reduction, Wet and Reinforced panels, TNF Inspection Doors as well as other types of panels.

Illustration	Description
	TNF-3SF900(25mm)
	TNF-3SA900(50mm)
	TNF-3SP900(50mm)
	TNF-3SF901(25mm)
	TNF-3SF902(25mm)

	<p>TNF-3S 900(50mm)</p>
	<p>TNF-3S 901(50mm)</p>
	<p>TNF-3SQ900(50mm)</p>
	<p>TNF-3S901(50mm)</p>
	<p>TNF-3S 9 0(50mm)</p>
	<p>TNF-3S 9 (50mm)</p>
	<p>TNF-3S 9 1(50mm)</p>
	<p>TNF-3S 9 3(50mm)</p>

	<p>TNF-3SD900 (50mm/a=90°)</p>
	<p>TNF-3SG900 (25mm/a=90°)</p>
	<p>TNF-3SG901 (25mm/a)</p>
	<p>TNF-3SG910 (25mm/a=90°)</p>

	<p>TNF-3SG920 (25mm/a=90°)</p>
	<p>TNF-3SG921 (25mm/a=90°)</p>
	<p>TNF-3SD920 (50mm/a=90°)</p>
	<p>TNF-3SD921 (50mm/a=90°)</p>
	<p>TNF-3SD922 (50mm/a=90°)</p>

C-TYPE ROCK WOOL WALL PANEL TNF-3SF



Product Parameters

Model	TNF-3SF
Fire Class	B-15
Weight	12.8kg/m²
Sound reduction	31dB
Thermal transmittance	1.06Kcal/m² h°C
Core material	Rock wool 150kg/m³
Surface finish	PVC film (150μ,low flame spread), painted steel or galvanized steel
Dimension	25mm(Thickness)×560mm(Max.Width)×Length (Max.2500mm)
Tolerances	Thickness - 1 × Width - 1 × Length-2

C-TYPE ROCK WOOL WALL PANEL TNF-3SA



Product Parameters

Model	TNF-3SA
Fire Class	B-15
Weight	16.1kg/m ²
Sound reduction	33dB
Thermal transmittance	0.58Kcal/m ² h °C
Core material	Rock wool 150kg/m ³
Surface finish	PVC film (150μ, low flame spread), painted steel or galvanized steel
Dimension	50mm(Thickness) × 560mm(Max. Width) × Length (Max.2500mm)
Tolerances	Thickness - 1 × Width - 1 × Length-2

C-TYPE ROCK WOOL WALL PANEL TNF-3SP



Product Parameters


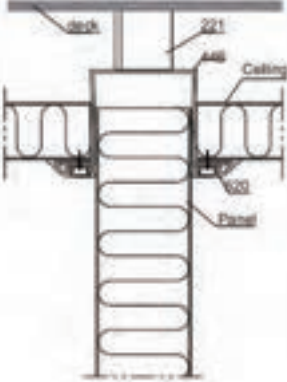
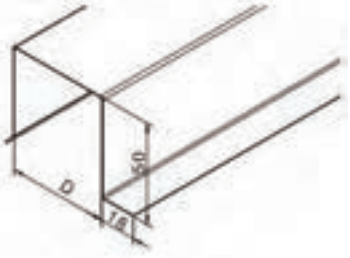
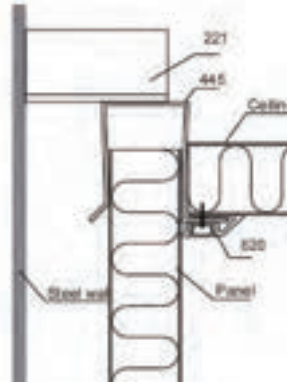
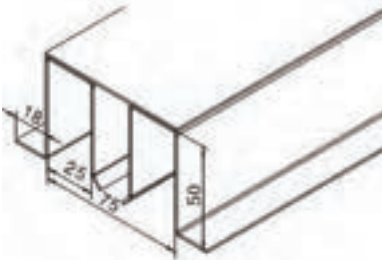
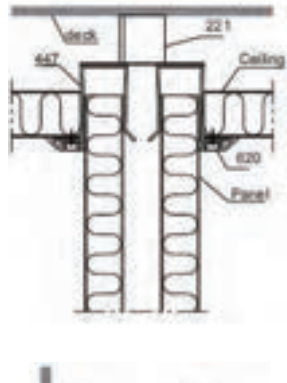
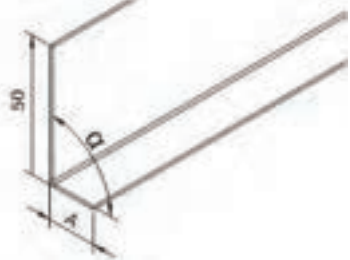
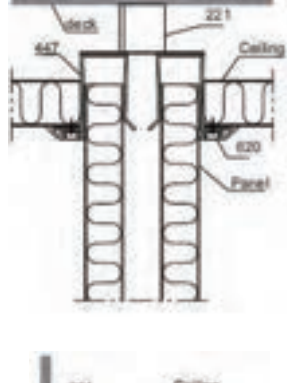
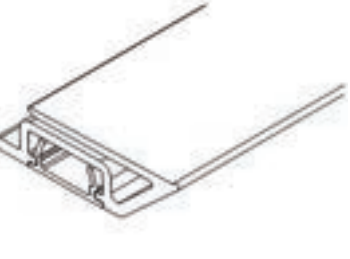
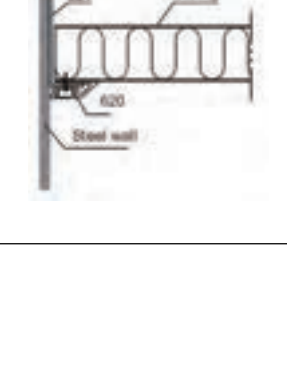
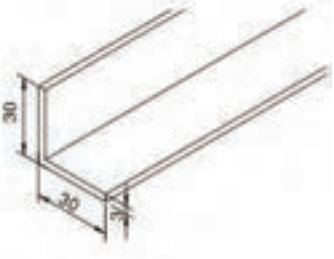
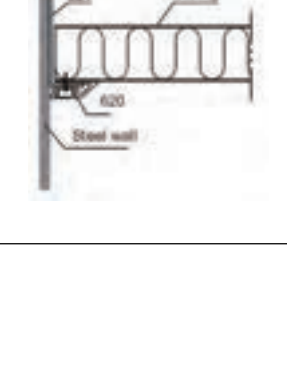
Model	TNF-3SP
Fire Class	B-15
Weight	15.3kg/m²
Sound reduction	N/A
Thermal transmittance	0.55Kcal/m² h °C
Core material	Rock wool 150kg/m³
Surface finish	PVC film (150μ,low flame spread), painted steel or galvanized steel
Dimension	50mm(Thickness)×560mm(Max.Width)×Length (Max.2500
Tolerances	Thickness - 1 × Width - 1 × Length-2

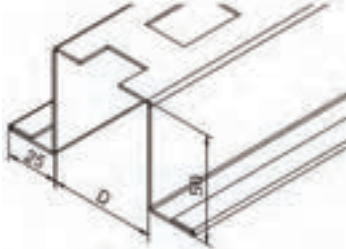
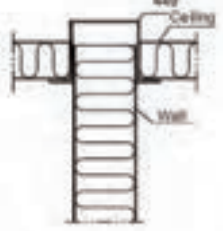
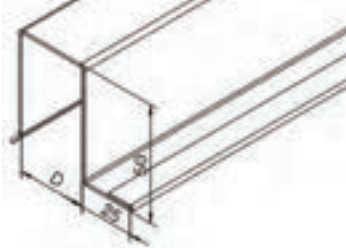
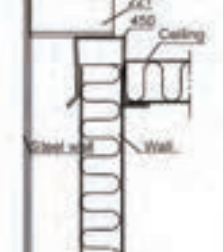
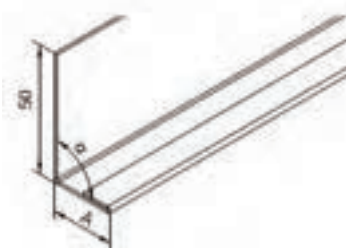
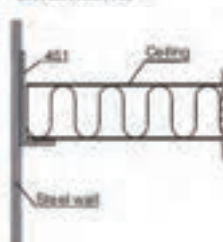
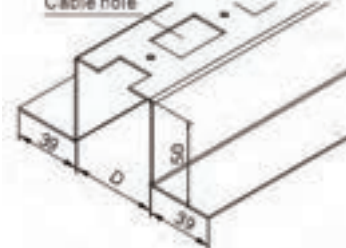
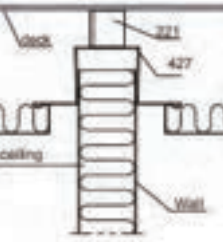
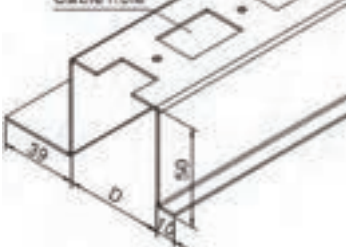
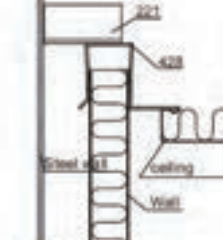
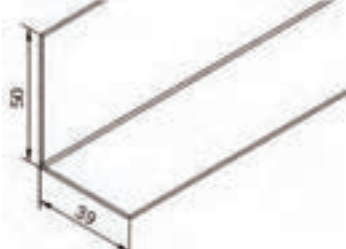

C-TYPE ROCK WOOL WALL PANEL TNF-3SQ

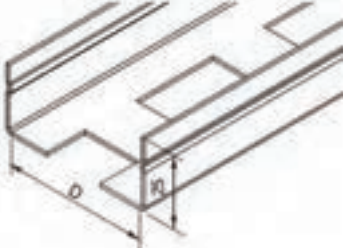
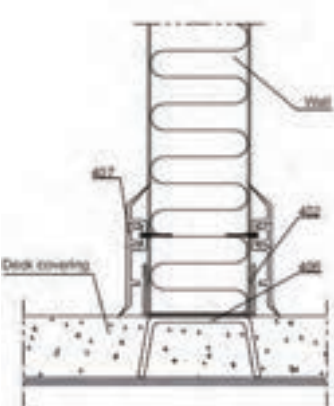
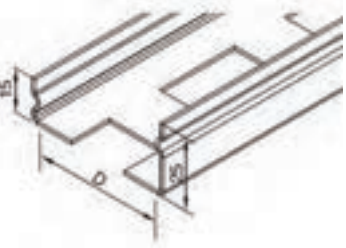
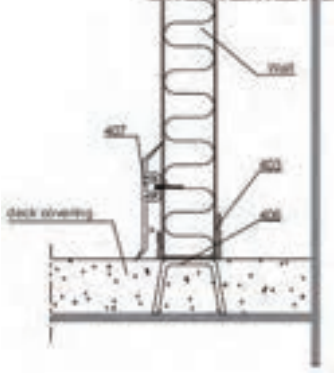
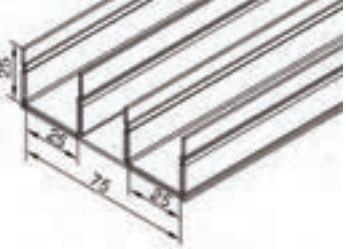
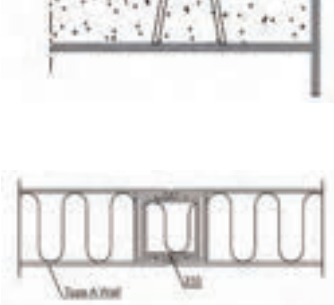
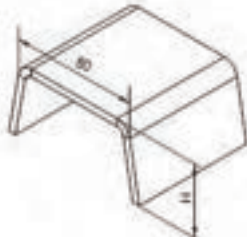





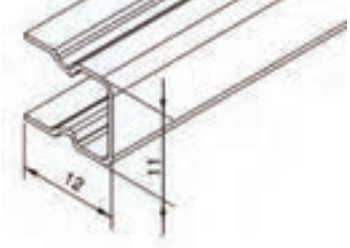

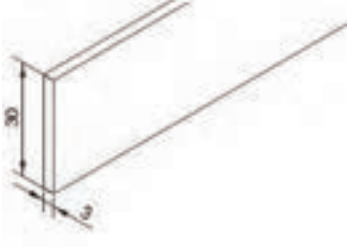

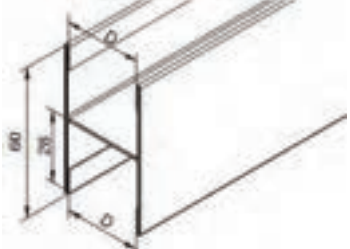

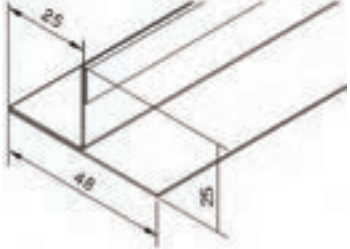

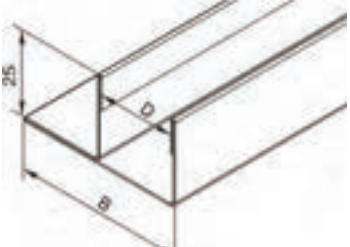
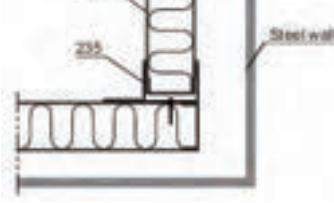
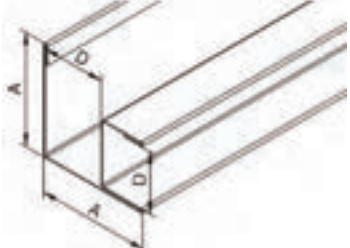

Product Parameters

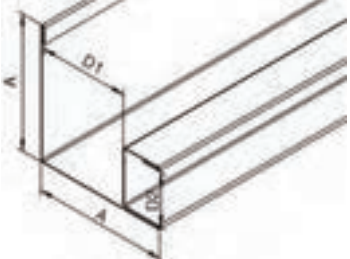

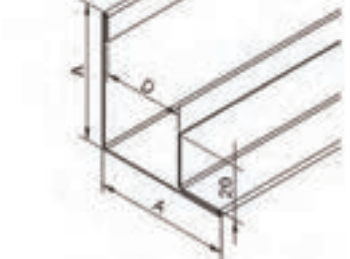
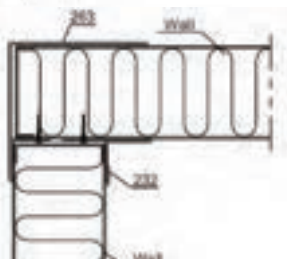
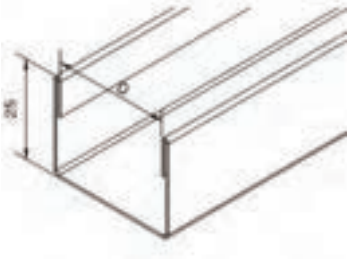
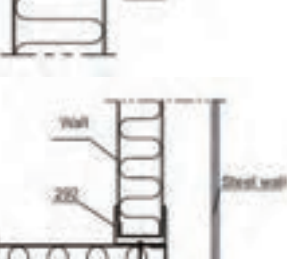
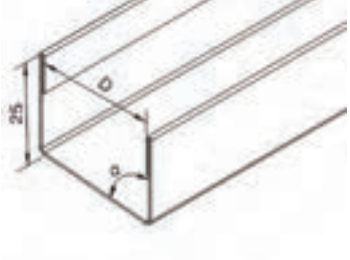
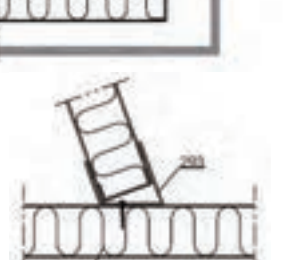
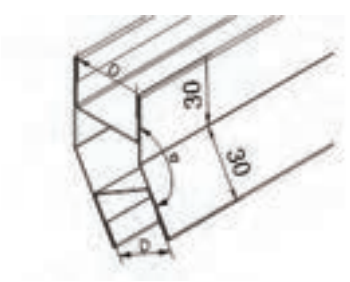
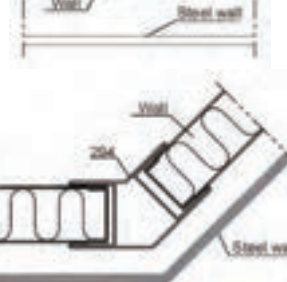
Model	TNF-3SQ
Fire Class	B-15
Weight	16.1kg/m²
Sound reduction	33dB
Thermal transmittance	0.58Kcal/m² h °C
Core material	Rock wool 150kg/m³
Surface finish	PVC film (150μ, low flame spread), painted steel or galvanized steel
Dimension	50mm(Thickness) × 560mm(Max. Width) × Length (Max.2500mm)
Tolerances	Thickness - 1 × Width - 1 × Length-2

Item	Illustration	Parameters	Installation Illustration
TNF-446		<p>t=1.2mm L=3000mm 1.98kg/m Galvanized Steel</p>	
TNF-445		<p>t=1.2mm L=3000mm D=50 1.72kg/m D=30 1.53kg/m D=25 1.48kg/m Galvanized Steel</p>	
TNF-447		<p>t=1.2mm L=3000mm 0.80kg/m Galvanized Steel</p>	
TNF-220		<p>t=1.0mm L=3000mm D=50 1.65kg/m D=30 1.49kg/m D=25 1.45kg/m Galvanized Steel</p>	
TNF-620		<p>t=1.0mm L=3000mm D=50 1.41kg/m D=30 1.26kg/m D=25 1.21kg/m PVC Coated Steel</p>	
TNF-221		<p>t=1.0mm L=3000mm 0.7kg/m Galvanized Steel</p>	

Item	Illustration	Parameters	Installation Illustration
TNF-449		<p>t=1.2mm L=3000mm 1.98kg/m Galvanized Steel</p>	
TNF-450		<p>t=1.2mm L=3000mm D=50 1.72kg/m D=30 1.53kg/m D=25 1.48kg/m Galvanized Steel</p>	
TNF-451		<p>t=1.2mm L=3000mm 0.80kg/m Galvanized Steel</p>	
TNF-427		<p>t=1.0mm L=3000mm D=50 1.65kg/m D=30 1.49kg/m D=25 1.45kg/m Galvanized Steel</p>	
TNF-428		<p>t=1.0mm L=3000mm D=50 1.41kg/m D=30 1.26kg/m D=25 1.21kg/m Galvanized Steel</p>	
TNF-444		<p>t=1.0mm L=3000mm 0.7kg/m Galvanized Steel</p>	

Item	Illustration	Parameters	Installation Illustration
TNF-402		<p>t=1.2mm L=3000mm D=50 0.94kg/m D=30 0.75kg/m D=25 0.71kg/m Galvanized Steel</p>	
TNF-403		<p>t=1.2mm D=50 0.85kg/m D=30 0.66kg/m D=25 0.65kg/m Galvanized Steel</p>	
TNF-405		<p>t=1.2mm L=3000mm 1.51kg/m Galvanized Steel</p>	
TNF-406		<p>t=3mm 0.18kg/pcs Cold Rolling Steel</p>	
TNF-310		<p>t=0.6mm D1=36 h=42 0.75kg/m D1=36 h=22 0.5kg/m PVC Coated Steel</p>	

Item	Illustration	Parameters	Installation Illustration
TNF-260		<p>t=0.60mm 0.18kg/m PVC Coated Steel</p>	
TNF-330		<p>T=3mm</p>	
TNF-331		<p>t=0.6mm D=50 1.78kg/m D=30 1.59kg/m D=25 1.54kg/m PVC Coated Steel</p>	
TNF-232		<p>t=0.6mm 0.51kg/m PVC Coated Steel</p>	
TNF-235		<p>t=0.6mm D=50 0.83kg/m D=30 0.73kg/m D=25 0.71kg/m PVC Coated Steel</p>	
TNF-233		<p>t=0.6mm D=50 1.27kg/m D=30 0.89kg/m D=25 0.91kg/m PVC Coated Steel</p>	

Item	Illustration	Parameters	Installation Illustration
TNF-262		<p>t=0.6mm D1/D2=50/30 1.17kg/m D1/D2=50/25 1.15kg/m D1/D2=30/50 1.46kg/m D1/D2=25/50 1.50kg/m PVC Coated Steel</p>	
TNF-263		<p>t=0.6mm D=50 A=75 0.96kg/m D=30 A=50 0.70kg/m D=25 A=50 0.72kg/m PVC Coated Steel</p>	
TNF-292		<p>t=0.6mm D=50 0.58kg/m D=30 0.49kg/m D=25 0.47kg/m PVC Coated Steel</p>	
TNF-293		<p>t=0.6mm D=50 0.56kg/m D=30 0.47kg/m D=25 0.45kg/m PVC Coated Steel</p>	
TNF-294		<p>t=0.6mm D=50, 30, 25 1.74, 1.49, 1.42kg/m PVC Coated/Galvanized Steel</p>	

TNF Panels

The specification of wall panels must include the following information:

- Types of panel
use the panel designation 2SA, 2SF, etc.
- Dimensions of panels
panel width
panel heights
- Color combinations
decorative/decorative
decorative/galvanized
- Number of panels per panel code

To determine the panel height, please refer to the drawing "Heights of components".

TNF Profiles

The specification of profiles must include the following information:

- Colors of visible corner and Tee joint profiles
- Quantity of each profile

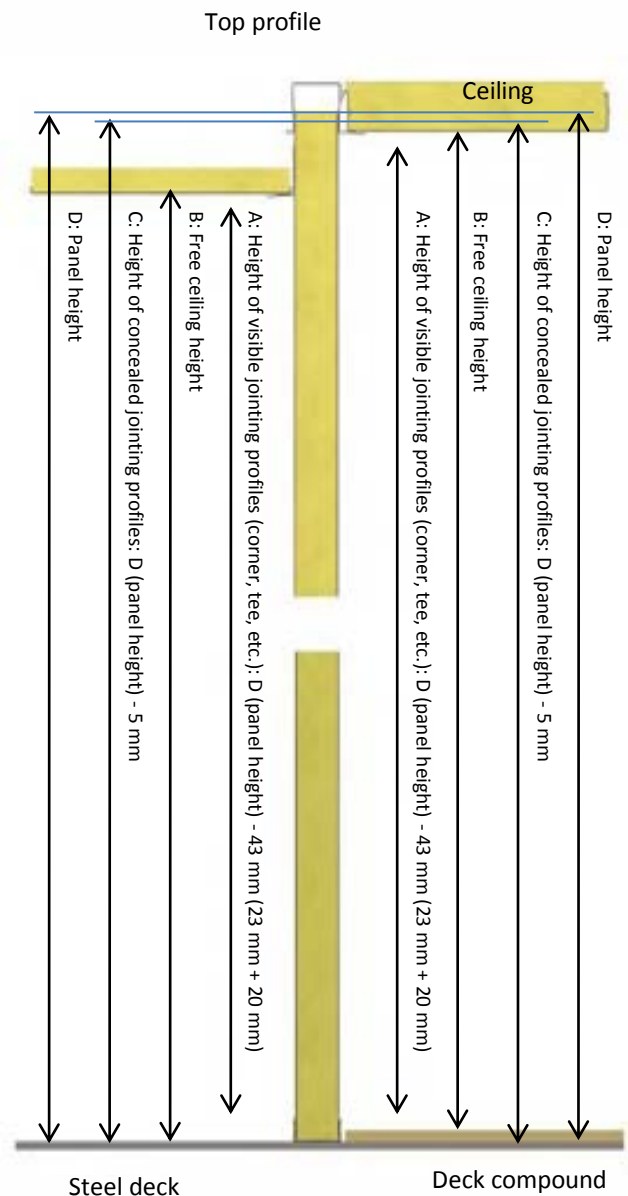
To determine the lengths of the vertical profiles, please refer to the drawing "Heights of components".

Top and bottom profiles

To determine the number of top and bottom profiles required, add up total linear meters of walls (50 mm partitions and 25 mm lining separately) and divide by 3.9 m (length of top and bottom profiles).

The range of top profiles includes

- Profiles with 31 mm flange(s) suitable for self-supporting ceilings.
- Profiles with no flange(s)



Heights of components

Spare panels and profiles

The quantities of panels and profiles calculated from the drawings should be increased to allow for damage, which may occur during installation.

It is not necessary to include spare panels for every single panel item. One panel item can serve as spare for other panel items, which are shorter and/or have only one decorative surface. Number of spare panels to be included should be based on past experience of the customer.

Installation procedure

When installing the **TNF standard panel system**, the following procedure applies:

Vertical installation - Fastening of panels

Bottom profile

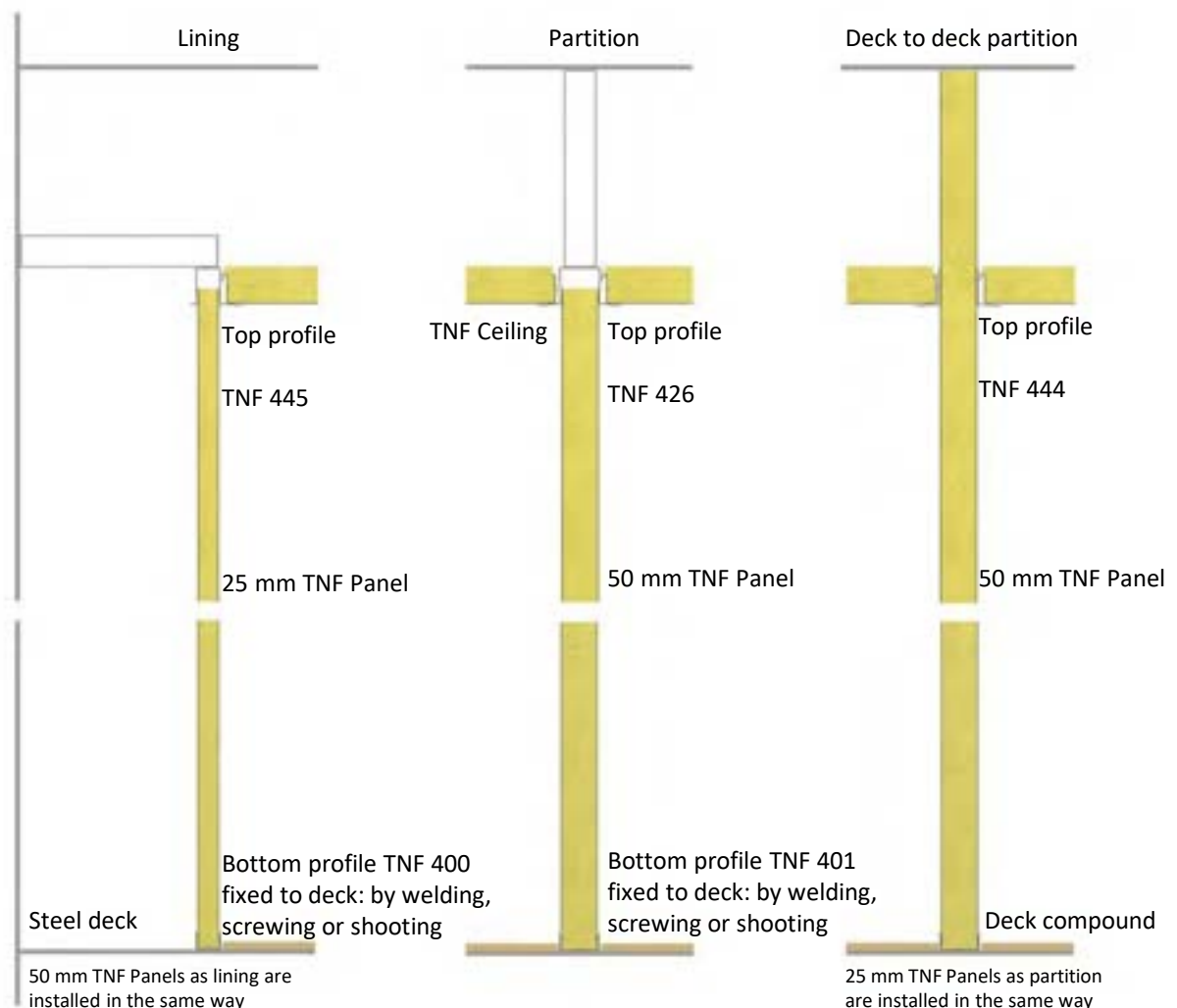
Place the bottom profiles correctly on the deck in accordance with the dimensions of cabins, corridors, etc. and appropriately to the ship side, steel bulkheads etc. The profiles are then fixed to the deck or floating floor by welding, by screws or shooting.

Top profiles, alt. 2

When the TNF wall panels are installed, the top profiles are placed directly on top of the panels. The profiles are assembled with splice TNF 409. It is not necessary to fasten the top profiles to the steel deck or the ship's side. Proper rigidity and stability are contained in the system. The top profiles include pre-stamped holes to allow cable entry for concealed wiring.

Top profiles, alt. 1

The top profiles are installed before the panels. The top profiles are positioned vertically above the bottom profiles at a distance that allows correct ceiling height. The top profiles include prestamped holes to allow cable entry for concealed wiring.



TNF panels

The panels are installed in the top and bottom profiles according to the procedure shown on the drawing "Procedure for installation of panels".



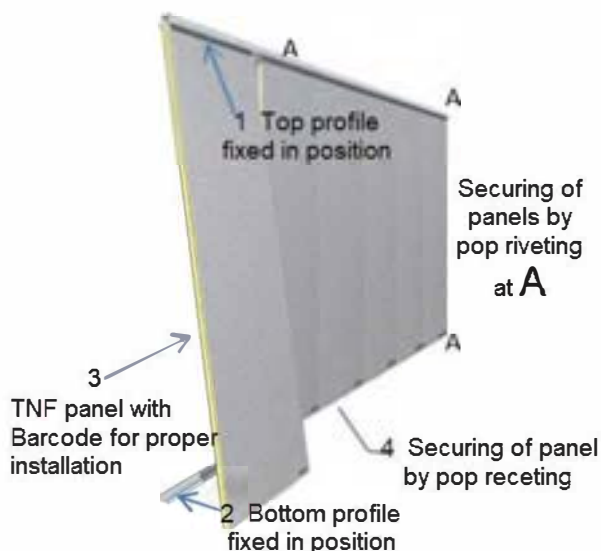
When installing a standard TNF panel system, it is advisable to start the installation of panels at a corner and end at a door.

The arrows on the cabin layout drawing show the direction for the installation of the panels.

All the panels marked with an * have to be cut at site to fit.

It is recommended that some of the panels are fastened (approx. 20%) with 4 mm pop rivets to the top and bottom profiles. To ensure uniform joints, make sure that the panels are pushed tightly together before pop riveting.

At corners and Tee joints the panels are cut to fit and jointed by visible decorative profiles. Or by the use of open-end corner and Tee panels.



Protection film

The protection film on the surface must be loosened at the panel edges before sliding the panels into position. The barcode labels on the panels must be on the same side of the wall and have the same location. See procedure for installation of panels.

Modular panel installation

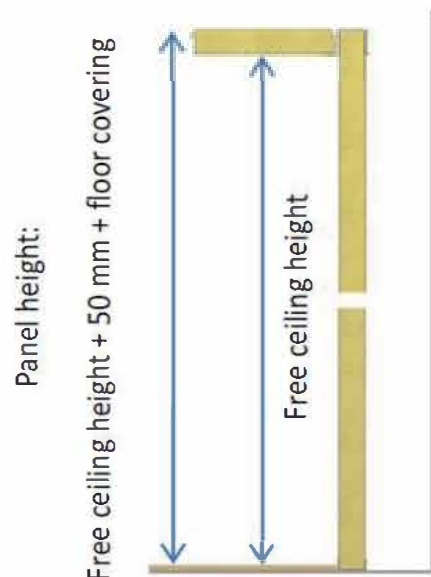
The TNF wall panels can be installed in accordance with the installation drawings marked with the panel codes. It is recommended to start with a corner or a Tee panel, and to end up at a door or window box opening. The fine tolerances ensure that the panels always fit into the bottom profile frame.

Top profile installation

When the TNF wall panels are installed, the top profiles are placed directly on top of the panels. The profiles are assembled with splice TNF 409. It is not necessary to fasten the top profiles to the steel deck or the ship's side. Proper rigidity and stability are contained in the system. The top profiles include pre-stamped holes to allow cable entry for concealed wiring.

Determining panel height

The fig. shows an easy way to calculate panel heights with different types of ceilings. If the top profiles are suspended, the panel height can be reduced by 30 mm.



TNF is the complete high quality accommodation system for all marine interiors. The TNF system includes wall and ceiling panels, doors, floors and wetunits. TNF has been leading the development in marine interiors since 1973. The world famous TNF quality is demonstrated in the environment, which can be designed to provide the ideal conditions for all functions.

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