

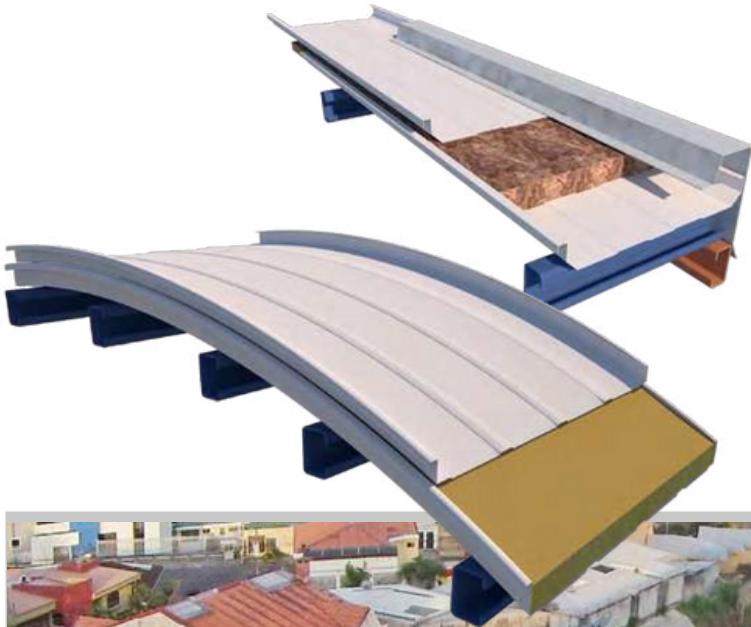


TOTAL LOCK COMPOSITE PANEL ROOFS

Composite panel roofing trays are widely used as they provide a roofing solution that incorporates thermal-acoustic insulation without sacrificing aesthetic appeal. They are frequently used as ceilings with exposed structures.

The most common types of insulation are polystyrene, polyisocyanurate, mineral wool (also known as rockwool) and fiberglass (see Insulation).

Composite panel (or sandwich-type) roofing trays allow for wider spacing between rafters and frequent traffic.



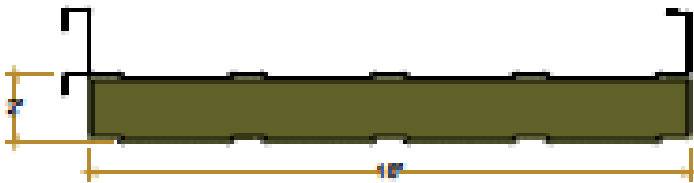
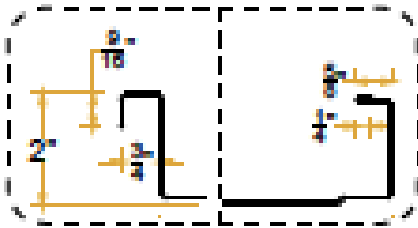
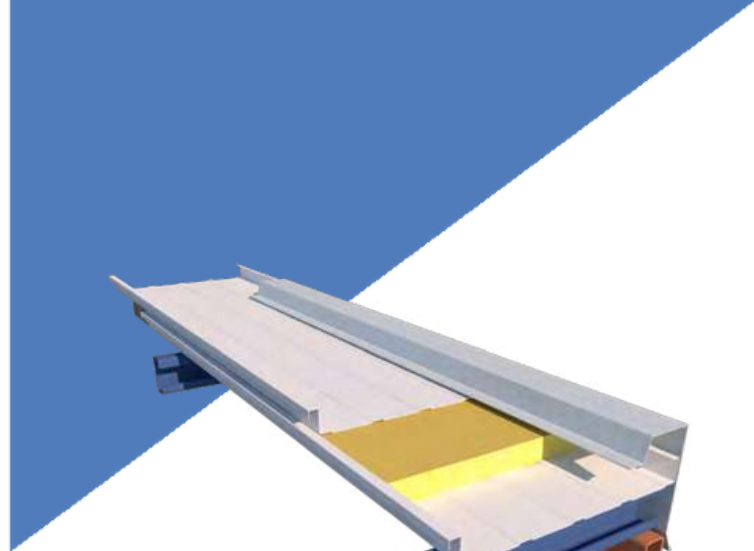


TOTAL LOCK 18-45 COMPOSITE PANEL ROOFING TRAYS

TL 18-45 composite panel roofing trays are recommended for roofs with wider spacing between rafters and frequent traffic.

- Can accommodate photovoltaic systems and other equipment
- Good hydraulic capacity, especially for long span roofs.

The minimum insulation width required is 50 mm.



COMPOSITE PANEL PROPERTIES

TL 18-45

Standing seam		50.8 mm
Width		445 mm-452 mm
Insulation thickness		50 mm-100 mm
Sandwich panel total thickness		100 mm-150 mm
Max. weight by m2 (26 gauge)		10.62 kg-10.72 kg
Max. weight by m2 (24 gauge)		11.5 kg-11.68 kg
Min. R-value (°F·ft²·h/BTU)		5.14-14.38
Min. slope		5%
Max. spacing between rafters (27 gauge)	Max. spacing	2.85 m
between rafters (26 gauge)		3.15 m
Max. spacing between rafters (24 gauge)		3.66 m

