

Hoesch High Tech Elements
Hoesch isodach integral®-n

HOESCH SIEGERLANDWERKE

The new roof generation.

Hoesch isodach integral® - n

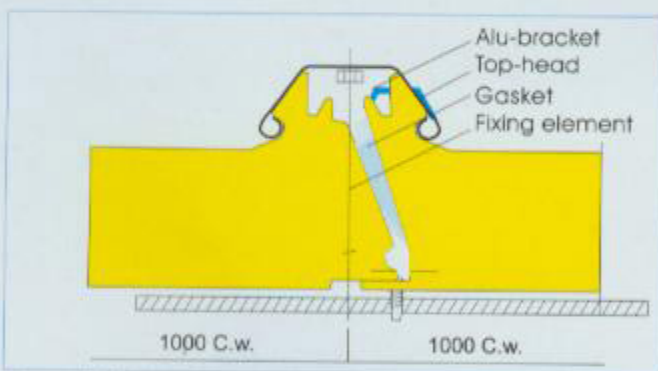
Hoesch isodach integral® - n (approved by the German building authorities)



Designations of building part	Material-thickness outer shell **	Panel thickness d	Weight	Max. length supplied	Thermal resistance	Heat transition coefficient (U-value)
					1/Λ	k*
	mm	mm	kg / m ³	m	m ² k/w	W / (m ² k)
TL 75i-n	0.63	75	12.5	20.0	2.06	0.45
	0.75		13.6			
	0.88		14.8			
TL 95i-n	0.63	95	13.4	20.0	3.04	0.31
	0.75		14.5			
	0.88		15.7			
TL 115i-n	0.63	115	14.3	20.0	4.00	0.24
	0.75		15.4			
	0.88		16.6			

* for CFC-free foam based on $\Lambda = 0.021$ and in accordance with BS 5250 Appendix B

** Material thickness inner shell : 0.55 mm



Concealed fixing

Variations : Hoesch isodach integral® - n T L 75 i - n

Outer shell : T Trapezoidal profiled
 Inner shell : L slightly profiled
 Thickness : 75 75mm
 Joint : i integral (concealed fixing)
 Addition spec : n new

Principle :

Ready-to-assemble sandwich roof panel.

Material :

Profiled steel covering shells with GALFAN® coating, enclosing a continuously produced core of polyurethane rigid foam, CFC-free since 1994.

Protection against corrosion :

Either SP, PVF II or Tedlar-foil coil coating system in a range of different colours.

Fire resistance :

Hardly inflammable, building material class B 1 to DIN 4102 part 1, (similar to BS 476, part 7: Class 1 and Class 0 as defined by Building Regulations). Resistant to flying sparks and radiating heat to DIN 4102 part 7.

Fixing technique :

Concealed fixing by integral roof clamps in the longitudinal joint and approved fasteners made of stainless steel.

Use :

As a high quality insulated system with a metallic roof skin, suitable for new constructions as well as for refurbishment projects.



