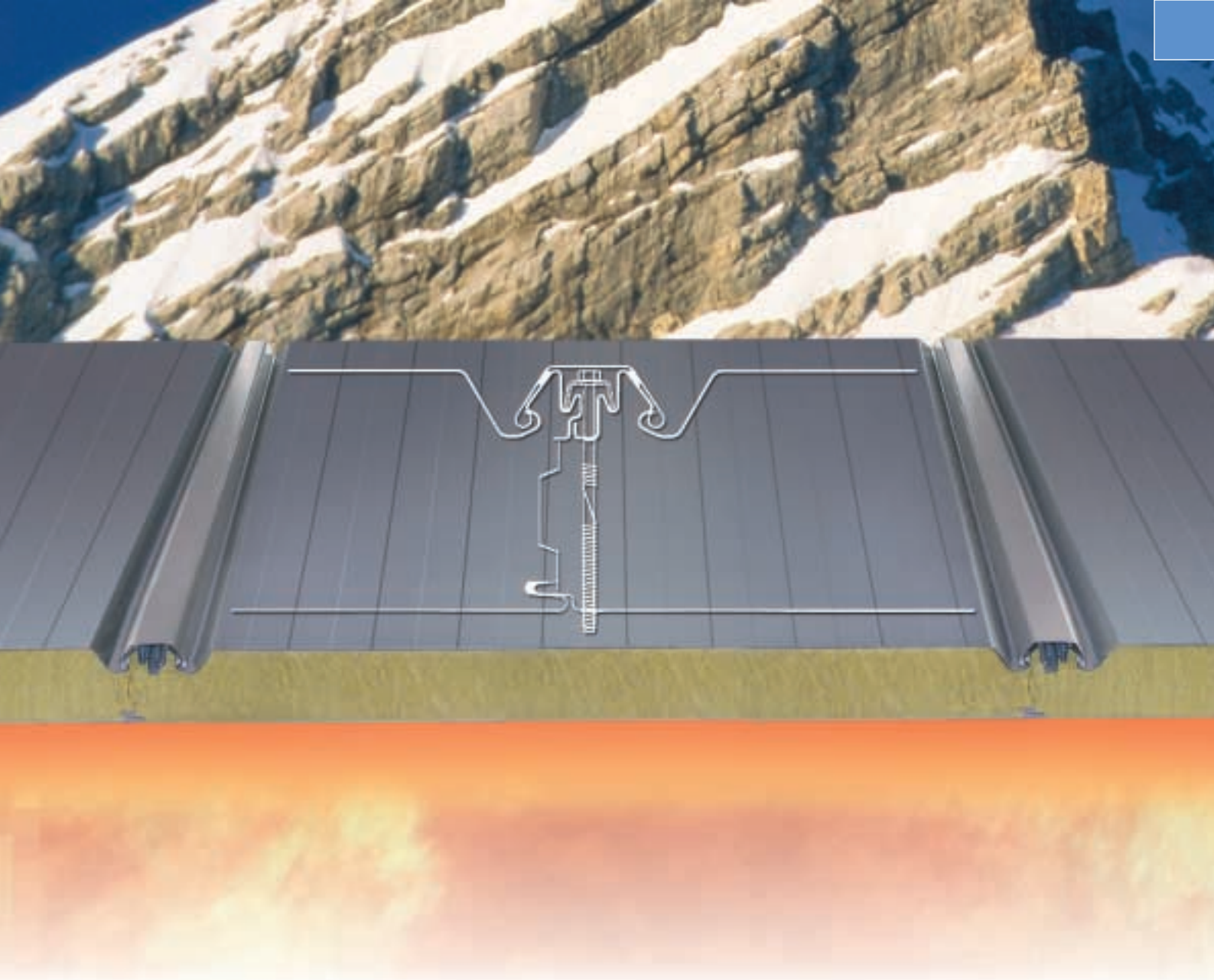


Hoesch isorock[®] integral D

The innovative, non-combustible sandwich element used in roofing systems



A company
of ThyssenKrupp
Steel

ThyssenKrupp Bausysteme



ThyssenKrupp

Hoesch isorock® integral D

non-combustible, with concealed fastening



As a supplement to our well-known and successful fire protection panels Hoesch isorock® and Hoesch isorock® vario, the corresponding roofing element Hoesch isorock® integral D is available with immediate effect.

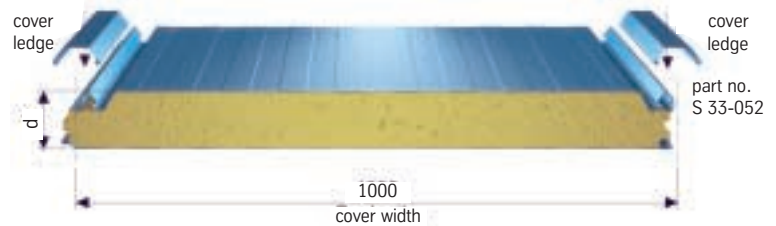
Product properties:

- Used as roofing element
- Concealed fastening
- The sandwich element is “non-combustible”, in accordance with EN 13 501-1: A2-s1,d0
- Easy preparation of roof cut-outs in the continuous upper flange
- Fastening without penetrating the water-carrying roof skin
- Rockwool panel according to class of building materials A1, non-combustible
- The rockwool is biodegradable
- Efficient thermal insulation by using a reduced number of high beads; almost full utilization of the nominal element height
- Vapour-tight cover sheets with factory-inserted sealing strips
- Thermal separation of the cover sheets



clamp,
part no.
Z 33-051
Z 33-052

joint detail, concealed fastening



part no.
S 33-052

Profiling of cover sheet	Slightly profiled (L)	Microprofiled (M)	V-profiled (V)	Flat (E)
Outer sheet	●	●	●	■
Inner sheet	●			■

● = available / ■ = on request

Designation of building part	Type	Overall thickness d mm	Material thickness outer sheet t _N mm	Material thickness inner sheet t _N mm	Max. length supplied m	Weight kg/m ²	Thermal resistance R m ² K/W	Heat transfer coefficient U W/m ² K	Thermal resistance* R m ² K/W	Heat transfer coefficient* U W/m ² K	Weighted sound reduction index R _w dB
Hoesch isorock® integral D	D1	95	0,50	0,50	16,0 13,3	18,0 22,5	2,19	0,42	2,15	0,46	29
		115			15,0 12,2	20,0 24,5	2,65	0,35	2,65	0,38	
		135	0,75	0,75	13,6 11,3	22,0 26,5	3,12	0,30	3,10	0,32	
		155	12,5 10,5	24,0 28,5	3,58	0,27	3,55	0,28			

* calculating according to EN 13 162 taking account of the joints according to pr EN 14 509

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