



Building physics characteristic values

Schöck Isokorb[®] R for renovation

September 2018



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Schöck Isokorb® Typ RKS | Schöck Isokorb® Typ RK

Type	RKS10-V8		RKS14-V8	
	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
H [mm]				
160	0.114	0.702	0.106	0.754
180	0.127	0.628	0.119	0.674
200	0.141	0.568	0.131	0.610
220	0.154	0.520	0.143	0.558

Type	RK25-V6		RK45-V8	
	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
180	0.577	0.139	0.359	0.223
200	0.626	0.128	0.396	0.202
220	0.673	0.119	0.433	0.185
240	0.724	0.110	0.465	0.172
250	0.746	0.107	0.481	0.166

- ▶ R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- ▶ λ_{eq} Equivalent thermal conductivity in $W/(m \cdot K)$
- ▶ - No measured results available.
- ▶ The equivalent thermal conductivity λ_{eq} is dependent on the geometry of the element.
An element thickness of 80 mm has been used for the calculation.
Schöck Isokorb® Type RKS10-V8 and Type RKS14-V8: An element width of 280 mm has been used for the calculation.
Schöck Isokorb® Type RK25-V6 and Type RK45-V8: An element width of 1,000 mm has been used for the calculation.
Schöck Isokorb® Type RQS8, Type RQS10 and Type RQS12: An element width of 280 mm has been used for the calculation.
- ▶ Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

Schöck Isokorb® Typ RQS | Schöck Isokorb® Typ RQP | Schöck Isokorb® Typ RQP+RQP

Type	RQS8		RQS10		RQS12	
H [mm]	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}
160	0.121	0.660	0.118	0.675		
180	0.135	0.591	0.132	0.604	0.129	0.620
200	0.149	0.535	0.146	0.547	0.142	0.562
220	0.163	0.490	0.160	0.501	0.156	0.514

Type	RQP10		RQP40		RQP60		RQP70	
H [mm]	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}
160	0.777	0.103	0.777	0.103				
180	0.840	0.095	0.840	0.095	0.744	0.107	0.723	0.111
200	0.898	0.089	0.898	0.089	0.763	0.105	0.778	0.103

Type	RQP10+RQP10		RQP40+RQP40		RQP60+RQP60		RQP70+RQP70	
H [mm]	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}	R _{eq}	λ _{eq}
160	0.631	0.127	0.655	0.122				
180	0.655	0.122	0.707	0.113	0.589	0.136	0.570	0.140
200	0.707	0.113	0.631	0.127	0.639	0.125	0.619	0.129

- ▶ R_{eq} Equivalent thermal transmission resistance in m²·K/W
- ▶ λ_{eq} Equivalent thermal conductivity in W/(m·K)
- ▶ - No measured results available.
- ▶ The equivalent thermal conductivity λ_{eq} is dependent on the geometry of the element.
An element thickness of 80 mm has been used for the calculation.
Schöck Isokorb® Type RQS8, Type RQS10 and Type RQS12: An element width of 280 mm has been used for the calculation.
Schöck Isokorb® Type RQP10 and Type RQP10+RQP10: An element width of 300 mm has been used for the calculation.
Schöck Isokorb® Type RQP40 and Type RQP40+RQP40: An element width of 300 mm has been used for the calculation.
Schöck Isokorb® Type RQP60 and Type RQP60+RQP60: An element width of 400 mm has been used for the calculation.
Schöck Isokorb® Type RQP70 and Type RQP70+RQP70: An element width of 600 mm has been used for the calculation.
- ▶ Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

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