SCHÖCK
Dependable by design

AUGUST 2022
BUILDING PHYSICS CHARACTERISTIC VALUES

Schöck Isokorb® RT for renovation

Load-bearing thermal insulation elements for renovation.

Schöck Isokorb® RT type K

RT type K	M1-V1		M2-V1	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
180	0.606	0.132	0.359	0.223
200	0.650	0.122	0.396	0.202
220	0.734	0.112	0.433	0.185
240	0.759	0.105	0.465	0.172
250	0.777	0.102	0.485	0.166

- R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- 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.
  For the calculation an element thickmes of 80 mm was used
  Schöck Isokorb® RT type K-M1-V1 and type K-M2-V1: For the calculation an element width of 1,000 mm was used.
- Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

Schöck Isokorb® RT type Q-P

RT type Q-P	V1		V2		V3		V4	
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

RT type Q-P	VV1		VV2		VV3		VV4	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.631	0.127	0.631	0.127	-	-	-	-
180	0.655	0.122	0.655	0.122	0.589	0.136	0.570	0.140
200	0.707	0.113	0.707	0.113	0.639	0.125	0.619	0.129

- R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- 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 elementt.
  for the calculation an element thickness 80 mm was used
  Schöck Isokorb® RT type Q-P-V1 and type Q-P-VV1: For the calculation an element width of 300 mm was used.
  Schöck Isokorb® RT type Q-P-V2 and type Q-P-VV2: For the calculation an element width of 300 mm was used.
  Schöck Isokorb® RT type Q-P-V3 and type Q-P-VV3: For the calculation an element width of 400 mm was used.
  Schöck Isokorb® RT type Q-P-V4 and type Q-P-VV4: For the calculation an element width of 600 mm was used.
- Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

Schöck Isokorb® RT type SK | Schöck Isokorb® RT type SQ

RT type SK	M1-V1		M2-V1	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.397	0.202	0.315	0.254
180	0.437	0.183	0.349	0.229
200	0.475	0.168	0.381	0.210
220	0.512	0.156	0.412	0.194

RT type SQ	V1		V2		V3	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.499	0.160	0.456	0.175	-	-
180	0.546	0.147	0.501	0.160	0.455	0.176
200	0.591	0.135	0.543	0.147	0.495	0.162
220	0.633	0.126	0.584	0.137	0.532	0.150

- 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.
  For the calculation an element thickness of 80 mm was used
  Schöck Isokorb® RT type SK-M1-V1 and type SK-M2-V1: For the calculation an element width of 280 mm was used.
  Schöck Isokorb® RT type SQ-V1, V2 and V3: For the calculation an element width of 280 mm was used.
- Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

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