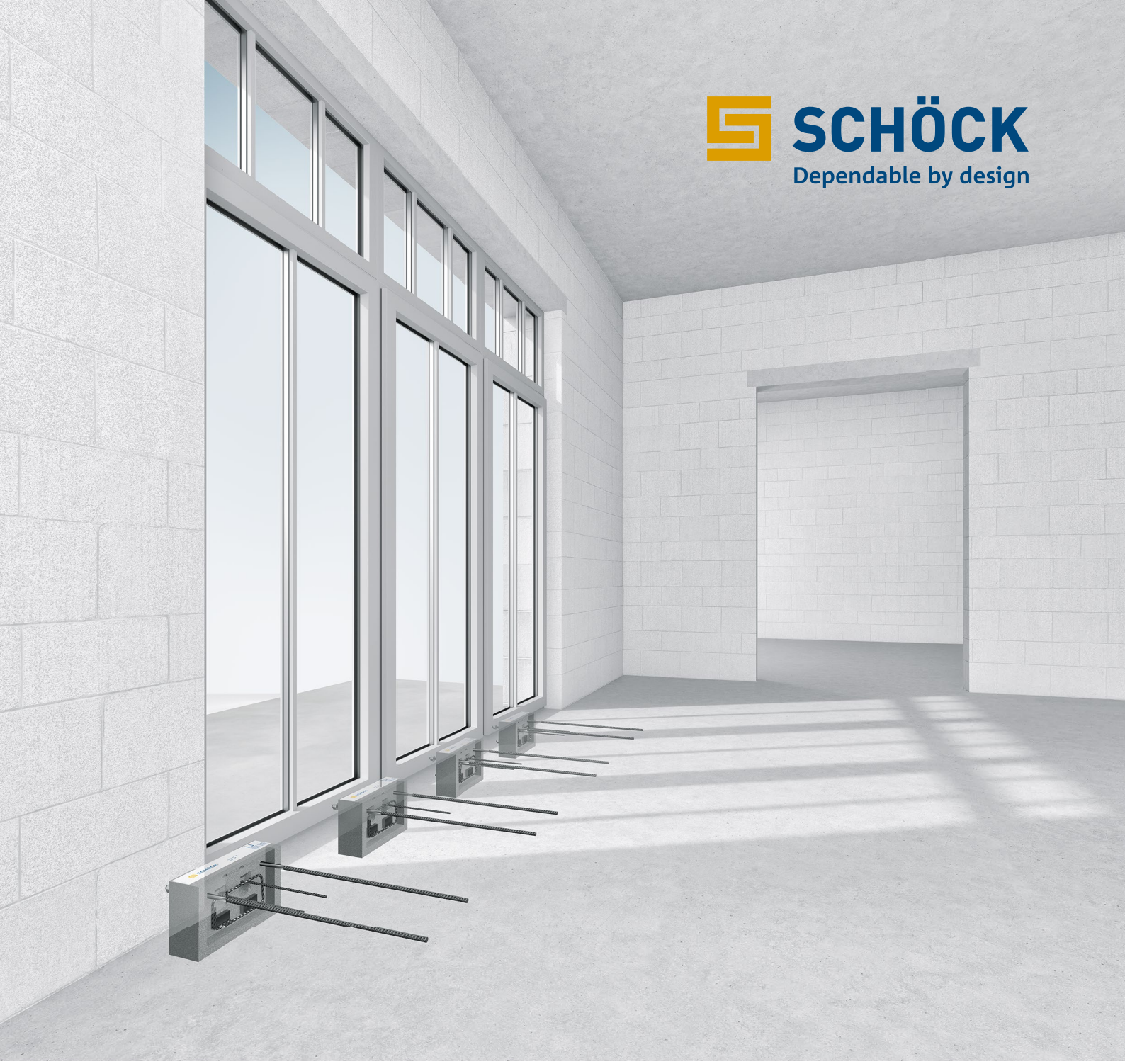

SCHÖCK
Dependable by design

FEBRUARY 2024
BUILDING PHYSICS CHARACTERISTIC VALUES

Isokorb® RT for rehabilitation

Load-bearing thermal insulation elements for rehabilitation.

Schöck Isokorb® RT type K

RT type K 1.0	M1-V1		M2-V1	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
180	0.625	0.128	0.365	0.219
200	0.678	0.118	0.404	0.198
220	0.734	0.109	0.444	0.180
240	0.777	0.103	0.476	0.168
250	0.808	0.099	0.497	0.161

- R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- λ_{eq} Equivalent thermal conductivity in $W/(m \cdot K)$
- 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 1.0	V1		V2		V3		V4	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.816	0.098	0.816	0.098	-	-	-	-
180	0.889	0.090	0.889	0.090	0.777	0.103	0.755	0.106
200	0.941	0.085	0.941	0.085	0.792	0.101	0.769	0.104

RT type Q-P 1.0	VV1		VV2		VV3		VV4	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.656	0.122	0.656	0.122	-	-	-	-
180	0.678	0.118	0.678	0.118	0.611	0.131	0.588	0.136
200	0.734	0.109	0.734	0.109	0.656	0.122	0.640	0.125

- R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- λ_{eq} Equivalent thermal conductivity in $W/(m \cdot K)$
- 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 1.0	M1-V1		M2-V1	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.408	0.196	0.323	0.248
180	0.449	0.178	0.357	0.224
200	0.488	0.164	0.388	0.206
220	0.526	0.152	0.421	0.190

RT type SQ 1.0	V1		V2		V3	
H [mm]	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}	R_{eq}	λ_{eq}
160	0.516	0.155	0.473	0.169	-	-
180	0.563	0.142	0.516	0.155	0.468	0.171
200	0.611	0.131	0.559	0.143	0.510	0.157
220	0.656	0.122	0.602	0.133	0.548	0.146

- R_{eq} Equivalent thermal transmission resistance in $m^2 \cdot K/W$
- λ_{eq} Equivalent thermal conductivity in $W/(m \cdot K)$
- 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 typeSK-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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