



FEBRUARY 2024

BUILDING PHYSICS CHARACTERISTIC VALUES

# Isokorb® CXT for reinforced concrete structures



Load-bearing thermal insulation elements for the effective reduction of thermal bridges on projecting structural elements such as balconies, arcades and canopies.

## Schöck Isokorb® CXT type K-E

CXT type K-E 1.1	M1-V1		M1-V2		M2-V1		M2-V2		M2-VV1	
	H [mm]	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>
160	3.000	0.040	2.553	0.047	1.644	0.073	1.395	0.086	0.976	0.123
170	3.243	0.037	2.727	0.044	1.765	0.068	1.481	0.081	1.034	0.116
180	3.429	0.035	2.927	0.041	1.875	0.064	1.558	0.077	1.091	0.110
190	3.636	0.033	3.077	0.039	1.967	0.061	1.644	0.073	1.154	0.104
200	3.871	0.031	3.243	0.037	2.069	0.058	1.739	0.069	1.212	0.099
210	4.000	0.030	3.429	0.035	2.182	0.055	1.818	0.066	1.277	0.094
220	1.714	0.070	3.529	0.034	2.308	0.052	1.905	0.063	1.348	0.089
230	1.764	0.068	3.750	0.032	2.400	0.050	2.000	0.060	1.412	0.085
240	1.791	0.067	3.871	0.031	2.449	0.049	2.105	0.057	1.463	0.082
250	1.846	0.065	4.000	0.030	2.553	0.047	2.182	0.055	1.519	0.079

CXT type K-E 1.1	M3-V1		M3-V2		M3-VV1		M4-V1		M4-V2		M4-VV1	
	H [mm]	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>
160	1.277	0.094	1.101	0.109	0.968	0.124	1.237	0.097	1.081	0.111	0.811	0.148
170	1.348	0.089	1.176	0.102	1.034	0.116	1.319	0.091	1.154	0.104	0.857	0.140
180	1.429	0.084	1.250	0.096	1.081	0.111	1.395	0.086	1.224	0.098	0.909	0.132
190	1.500	0.080	1.319	0.091	1.143	0.105	1.481	0.081	1.290	0.093	0.960	0.125
200	1.579	0.076	1.395	0.086	1.212	0.099	1.538	0.078	1.364	0.088	1.017	0.118
210	1.667	0.072	1.463	0.082	1.263	0.095	1.622	0.074	1.429	0.084	1.062	0.113
220	1.739	0.069	1.519	0.079	1.333	0.090	1.714	0.070	1.481	0.081	1.111	0.108
230	1.818	0.066	1.579	0.076	1.395	0.086	1.791	0.067	1.558	0.077	1.165	0.103
240	1.905	0.063	1.667	0.072	1.463	0.082	1.875	0.064	1.622	0.074	1.212	0.099
250	2.000	0.060	1.739	0.069	1.500	0.080	1.935	0.062	1.690	0.071	1.263	0.095

CXT type K-E 1.1	M6-V1		M6-V2		M6-VV1	
	H [mm]	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>	λ <sub>eq</sub>	R <sub>eq</sub>
160	0.732	0.164	0.670	0.179	0.670	0.179
170	0.779	0.154	0.710	0.169	0.710	0.169
180	0.822	0.146	0.750	0.160	0.750	0.160
190	0.870	0.138	0.795	0.151	0.795	0.151
200	0.916	0.131	0.833	0.144	0.833	0.144
210	0.960	0.125	0.876	0.137	0.876	0.137
220	1.008	0.119	0.916	0.131	0.916	0.131
230	1.062	0.113	0.960	0.125	0.960	0.125
240	1.091	0.110	1.008	0.119	1.008	0.119
250	1.143	0.105	1.043	0.115	1.043	0.115

- ▶ R<sub>eq</sub> Equivalent thermal transmission resistance in m<sup>2</sup>·K/W
- ▶ λ<sub>eq</sub> Equivalent thermal conductivity in W/(m·K)
- ▶ Values determined according to EAD (European Assessment Document): EAD 050001-00-0301 (2018/C 090/04)

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