



The **"CORAL VITRO"** series are thermally insulated at the factory by direct mould-injection with CFC- and HCFC-free PU material.

This system guarantees a perfectly regular insulation thickness with optimum material density. The thicknesses indicated in the table refer to the circular tank body, but the insulation is much thicker on the top part (up to four times greater). Because the top part of the tank has better thermal protection, heat losses are much lower than those specified by the most stringent regulations, such as the DIN 4753/8 standard.



Rigid, mould-injected PU insulating material

- *Minimal heat loss!*
- *For hot and cold water!*
- *No condensation on tank body!*
- *Compact block, no joints!*

TABLE OF THERMAL INSULATION: SERIE CORAL VITRO

Serie	Model	Thermal insulation k= 0,025 W/m °K	Insulation thickness PU (mm.)	Static heat losses EN 12897 (W)	ErP (EU 812/2013)	Minimum thickness of equivalent insulation with other insulating materials (mm)		
						Flexible polyurethane foam* k= 0,040 W/m °K	Rockwool* k= 0,034 - 0,042 W/m °K	Fiberglass* k= 0,035 - 0,046 W/m °K
CORAL VITRO	CV-80-M1S	PU	45	46	B	75	65 - 80	65 - 90
CORAL VITRO	CV-110-M1/M1S	PU	45	46	B	75	65 - 80	65 - 90
CORAL VITRO	CV-150-M1/M1S/GS	PU	55	44	B	90	75 - 95	75 - 110
CORAL VITRO	CV-200-R/M1/M1S/M2/HL/GS	PU	50	56	B	80	70 - 85	70 - 95
CORAL VITRO	CV-300-R/M1/M1S/M2/HL/GS	PU	50	67	B	80	70 - 85	70 - 95
CORAL VITRO	CV-400-M2/HL	PU	50	88	C	80	70 - 85	70 - 95
CORAL VITRO	CV-500-R/M1/M2/HL/GS	PU	50	93	C	80	70 - 85	70 - 95
CORAL VITRO	CV-600-P/C	PU	50	105	C	80	70 - 85	70 - 95
CORAL VITRO	CV-800-R/M1/M2/HL/P/C	PU	80	89	B	130	110 - 140	115 - 160
CORAL VITRO	CV-800-RB/M1B/M2B/HLB	PU	80	97	B	130	110 - 140	115 - 160
CORAL VITRO	CV-1000-R/M1/M2/HL/P/C	PU	80	115	C	130	110 - 140	115 - 160
CORAL VITRO	CV-1000-RB/M1B/M2B/HLB	PU	80	125	C	130	110 - 140	115 - 160
CORAL VITRO	CV-1500-R/M1/M2	PU	80	156	C	130	110 - 140	115 - 160
CORAL VITRO	CV-1500-RB/M1B/M2B	PU	80	169	C	130	110 - 140	115 - 160

(*) Detachable systems can lose up to 25% of the insulating capacity overall, so that in that case the insulation thickness will increased proportionally