

Cements for production of SIRCONTEC PBG and PsB

Nov 08

CEM I	Portland cement	CEM I	In urgent cases, utilization possible at the base temperature of 0 - 8°C, the dose should be increased by 10% contrary to the Manufacturing Procedure
CEM II	Portland slag cement	CEM II/A-S	Suitable for PBG and PsB under standard conditions
		CEM II/B-S	Suitable for PBG and PsB under standard conditions
	Portland silica fume cement	CEM II/A-D	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
	Portland pozzolanic cement	CEM II/A-P	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-P	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
		CEM II/A-Q	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-Q	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
	Portland flue ash cement	CEM II/A-V	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-V	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 15% contrary to the Manufacturing Procedure
		CEM II/A-W	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-W	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
	Portland oil shale cement	CEM II/A-T	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-T	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
	Portland lime stone cement	CEM II/A-L	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-L	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
		CEM II/A-LL	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
		CEM II/B-LL	Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
	Portland composite cement	CEM II/A-M	Applicable for PBG and PsB under standard conditions, possible slower gaining of the walkable strength
CEM II/B-M		Applicable for PsB at the base and air temperature above +15°C, possible slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure	
CEM III	Blast-furnace cement	CEM III/A	In urgent cases applicable for PsB at the base and air temperature above +15°C, possible significantly slower gaining of the walkable strength, the dose should be increased by 20% contrary to the Manufacturing Procedure
		CEM III/B	Unsuitable
		CEM III/C	Unsuitable
CEM IV	Pozzolanic cement	CEM IV/A	In urgent cases applicable for PsB at the base and air temperature above +15°C, possible significantly slower gaining of the walkable strength, the dose should be increased by 10% contrary to the Manufacturing Procedure
		CEM IV/B	In urgent cases applicable for PsB at the base and air temperature above +15°C, possible significantly slower gaining of the walkable strength, the dose should be increased by 15% contrary to the Manufacturing Procedure
CEM V	Composite cement	CEM V/A	In urgent cases applicable for PsB at the base and air temperature above +15°C, possible significantly slower gaining of the walkable strength, the dose should be increased by 20% contrary to the Manufacturing Procedure
		CEM V/B	Unsuitable

For Producing SIRCONTEC PBG and PsB it is recommended to use preferentially cements with ending designation "R" of min. 32.5 strength class.