

Quick Reference Guide to Hot and Cold Weather Masonry Practices

REQUIREMENTS OF MASONRY CONSTRUCTION	TEMPERATURES						COMMENTS AND PROTECTION REQUIREMENTS
	Above 38 °C or 32 °C with 3.6 m/s wind (Above 100 °F or 30 m/s)	38 °C to 4 °C (100 °F to 40 °F)	4 °C to 0 °C (40 °F to 32 °F)	0 °C to -4 °C (32 °F to 25 °F)	-4 °C to -7 °C (25 °F to 20 °F)	Below -7 °C (Below 20 °F)	
COOL MIXING WATER	X						Cool mixing water to produce mortar temperatures between 21 °C and 49 °C (70 °F and 120 °F). If ice is used to lower the water temperature ensure that it is completely melted before adding the water to the other mortar ingredients
FOG SPRAY WALL OR COVER WALL WITH PLASTIC OR CANVAS	X						Newly constructed walls may be fog sprayed and/or covered with plastic or canvas at the end of each work day to control moisture evaporation
LIMIT SPREAD OF MORTAR	X						Limit the spread of mortar to 1.2 m (4 ft) and place masonry units within one minute of spreading mortar
PROVIDE WIND BREAKS WHEN WIND EXCEEDS 13 km/h (8 MPH)	X						
NORMAL MASONRY PROCEDURES		X					
COVER WALLS AT END OF WORK DAY	X	X	X	X	X	X	Cover tops of walls at the end of each workday with plastic or canvas, draped down the wall a minimum of 600 mm (2 ft) and secured to prevent water from entering the masonry
HEAT MIXING WATER AND/OR SAND			X	X	X	X	Heat mixing water and/or sand to produce mortar temperatures between 4 °C and 49 °C (40 °F and 120 °F)
COVER WALL WITH WEATHER RESISTANT MEMBRANE			X	X	X	X	Completely cover newly constructed walls with a weather resistant membrane to protect from rain or snow to prevent wetting and freezing for 48 hours after construction
PROVIDE HEAT SOURCES ON BOTH SIDES OF WALL					X	X	
COMPLETELY COVER MASONRY WALLS WITH INSULATING BLANKETS OR AUXILIARY HEAT					X		Maintain masonry above 0 °C (32 °F) for a minimum of 16 hours
PROVIDE WIND BREAKS WHEN WIND EXCEEDS 24 km/h (15 MPH)					X		
HEAT MASONRY UNITS						X	Heat masonry units to 5 °C -10 °C (41 °F - 50 °F)
PROVIDE HEATED ENCLOSURE						X	Provide enclosures and supply sufficient heat to maintain masonry enclosure above 0 °C (32 °F) for 48 hours

Note: This chart is intended to provide guidelines only. Actual methods and materials may need to be adapted to address site specific conditions.