SITE WEATHER · DURBAN · FRIDAY 20 NOVEMBER

Pour concrete 07-09 h; fast drying limits the rest of the day.

Rain 4 mm · 91% | Storms low | Heat 25 °C WBGT | Gusts 19 m/s

CONCRETE POUR

Limited **Go 07-09 h, 14-15 h**

07	08	09	10	11	13	14	15	16
Go	Go	Limited	Limited	Limited	Limited	Go	Limited	Limited

Limited by fast drying, rain. Curing cover and windbreaks ready.

ASPHALT & SURFACING

Limited **Go 09-12 h, 13-16 h**

07	08	09	10	11	13	14	15	16
Limited	Limited	Go	Go	Go	Go	Go	Go	Limited

Limited by rain or wet surface. Never lay or spray on a wet surface.

CRANE LIFTS

Limited **Go 07-11 h**

07	08	09	10	11	13	14	15	16
Go	Go	Go	Go	Limited	Limited	Limited	Limited	Limited

Limited by wind. Check the anemometer before each lift.

WORK AT HEIGHT

Limited **Go 07-09 h**

07	08	09	10	11	13	14	15	16
Go	Go	Limited	Limited	Limited	Stop	Stop	Stop	Stop

Limited by wind. Clear roofs and scaffolds before storms.

PAINTING & COATINGS

Limited **Go 08-12 h, 13-16 h**

07	08	09	10	11	13	14	15	16
Limited	Go	Go	Go	Go	Go	Go	Go	Limited

Limited by humidity or dew. Check the surface is 3 °C above dew point.

Go NO WEATHER LIMITS

Outdoor labour, Earthworks.

Screening guidance from a forecast. Your contract, crane limits and site H&S plan come first.

gavacharles.github.io/kampala-heat-atlas/site-weather/durban

By Gava Charles · Kampala Heat Atlas · forecast data Open-Meteo

SITE WEATHER · DURBAN

The week on site

When each trade can go ahead, 07-17 h, lunch excluded

	Fri 20	Sat 21	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26
Outdoor labour	all day	07-12	all day	all day	07-12 15-17	all day	all day
Concrete pour	07-09 14-15	all day	all day	10-12 13-17	07-12 13-14	none	all day
Asphalt & surfacing	09-12 13-16	all day	07-10	13-17	07-12 13-14	none	07-09
Crane lifts	07-11	all day	all day	all day	07-12 13-16	all day	all day
Work at height	07-09	all day	all day	all day	07-11 13-15	13-15	07-09 15-17
Painting & coatings	08-12 13-16	09-10 11-12+	09-11 13-14	10-12 13-15	13-15	none	08-09 15-17
Earthworks	all day	all day	all day	none	07-12 13-15	none	15-17
Rain	4 mm 91%	0 mm 73%	7 mm 100%	3 mm 100%	8 mm 78%	8 mm 86%	2 mm 72%
Storms	low	low	likely	low	possible	low	low

go most of the day · part of the day · little or none

Times are go windows: 08-13 = from 08:00 until the lunch break; + = more windows that day.

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SITE WEATHER · HOW IT WORKS

How to read the cards

A daily weather check for contractors and site managers

STEP 01 · 1

The headline

The one thing to plan the day around. The key time is marked in yellow.

STEP 02 · 2

A card per trade

Problems first: Stop, Limited (go only in the hours shown), Care. Trades with no limits share one card.

STEP 03 · 3

Hour chips

9 working hours, 07:00-17:00, lunch excluded. Green go, amber care, red stop.

STEP 04 · 4

Heat uses WBGT

The standard for heat stress at work; it sets work/rest cycles.

STEP 05 · 5

Concrete and asphalt

Rain now or within three hours, wet surfaces, and drying fast enough to crack fresh concrete (ACI 305).

STEP 06 · 6

Cranes and painting

Gusts at 30 m hook height and storms; painting needs the surface 3 °C above dew point (ISO 8502-4).

STEP 07 · 7

Every day on record

Month by month against the 1991-2020 climate, for programme reviews and delay claims.

Screening guidance from a forecast. Your contract, crane limits and site H&S plan come first.

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