SITE WEATHER · JOHANNESBURG · FRIDAY 20 NOVEMBER

Storms possible from 16:00: do exposed work in the morning.

Rain 1 mm · 76% | Storms possible from 16:00 | Heat 24 °C WBGT | Gusts 21 m/s

CONCRETE POUR

Limited — Go 07-10 h

07 08 09 10 11 13 14 15 16

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

ASPHALT & SURFACING

Limited — Go 07-12 h, 13-14 h

07 08 09 10 11 13 14 15 16

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

CRANE LIFTS

Limited — Go 07-12 h, 13-16 h

07 08 09 10 11 13 14 15 16

Limited by wind, storms. Check the anemometer before each lift.

WORK AT HEIGHT

Limited — Go 07-12 h, 13-15 h

07 08 09 10 11 13 14 15 16

Limited by wind, rain, storms. Clear roofs and scaffolds before storms.

PAINTING & COATINGS

Limited — Go 07-12 h, 13-16 h

07 08 09 10 11 13 14 15 16

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

EARTHWORKS

Limited — Go 07-12 h, 13-16 h

07 08 09 10 11 13 14 15 16

Limited by rain. Protect formation and stockpiles.

Go — NO WEATHER LIMITS

Outdoor labour.

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

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

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

SITE WEATHER · JOHANNESBURG

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	all day	all day	all day	all day	all day	all day
Concrete pour	07-10	07-11	07-11	07-10	07-11	07-12	all day
Asphalt & surfacing	07-12 13-14	09-11	08-11	07-12	09-11	all day	all day
Crane lifts	07-12 13-16	07-12 15-17	all day	07-10	07-10	all day	all day
Work at height	07-12 13-15	07-11 16-17	07-11	07-10	07-09	all day	10-12 13-17
Painting & coatings	07-12 13-16	07-12	08-11 13-16	08-12 13-14	09-12	09-12 13-17	08-12 13-17
Earthworks	07-12 13-16	07-12 15-17	07-12 13-16	07-12 13-14	none	all day	all day
Rain	1 mm 76%	2 mm 78%	4 mm 74%	5 mm 86%	4 mm 83%	0 mm 35%	0 mm 45%
Storms	possible	low	low	possible	likely	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.

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

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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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