SITE WEATHER · MUSCAT · FRIDAY 20 NOVEMBER

# Storms possible from 14:00: do exposed work in the morning.

Rain 1 mm · 83% | Storms possible from 14:00 | Heat 26 °C WBGT | Gusts 11 m/s

## CONCRETE POUR

Limited — Go 07-10 h

07 08 09 10 11 13 14 15 16

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

## ASPHALT & SURFACING

Limited — Go 07-10 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, 13-14 h

07 08 09 10 11 13 14 15 16

Limited by storms. Check the anemometer before each lift.

## WORK AT HEIGHT

Limited — Go 07-12 h

07 08 09 10 11 13 14 15 16

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

## PAINTING & COATINGS

Limited — Go 08-12 h

07 08 09 10 11 13 14 15 16

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

## EARTHWORKS

Limited — Go 07-12 h, 14-17 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/muscat

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

SITE WEATHER · MUSCAT

# 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 | 07-12<br>15-17 | 07-11 | 07-12 | 07-12 | 07-12<br>15-17 | all day |
| **Asphalt & surfacing** | 07-10 | all day | all day | all day | all day | all day | all day |
| **Crane lifts** | 07-12<br>13-14 | all day | all day | all day | all day | all day | all day |
| **Work at height** | 07-12 | all day | all day | 07-12<br>13-14 | all day | all day | all day |
| **Painting & coatings** | 08-12 | all day | all day | all day | all day | all day | all day |
| **Earthworks** | 07-12<br>14-17 | all day | all day | all day | all day | all day | all day |
| **Rain** | 1 mm<br>83% | 0 mm<br>4% | 0 mm<br>0% | 0 mm<br>4% | 0 mm<br>0% | 0 mm<br>0% | 0 mm<br>0% |
| **Storms** | possible | low | low | low | low | 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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