

Wall Formwork

Rise Rate Calculations



Customer Name : BKH

Project Name : C. HOSP. RADIATION BUNKER

Project Number : 2019 - 20 - 0719514

DATE: Friday, 29 November 2019

Wet Concrete Density = 2500.00 kg/m³
 Mix Minimum Temperature = 5.00 °C
 Mix Maximum Temperature = 32.00 °C
 Total Concrete Height = 3.90 m
 Concrete Plan Width (B) = 1.00 m
 Concrete Plan Length (L) = 22.40 m
 Total Formwork Height = 3.90 m
 Constituent Materials Coeff. (C₂) = 0.45

Max Concrete Pressure = 60.00 kN/m²

C₁ = 1.00

T °C	R m/hr
5.00	0.00
7.70	0.23
10.40	0.93
13.10	1.66
15.80	2.27
18.50	2.78
21.20	3.19
23.90	3.53
26.60	3.81
29.30	4.04
32.00	4.23

Calculation of Concrete Rise Rate (AS3610 : 95)

Project Details: 2019 - 20 - 0719514 - C. HOSP. RADIATION BUNKER

Concrete Density = 2500.00 kg/m³ / Pour Height = 3.90 m / C₁ = 1.00 / C₂ = 0.45

Max Concrete Pressure = 60.00 kPa

