

CEM II/A-V 42.5 N EN 197-1

HEAVY DUTY

Heavy Duty Cement for concrete and high-rise buildings



- NORMATIVE STRENGTHS
(AVERAGE)**

NUMBER OF DAYS	TESTING METHOD	AVERAGE VALUES	REQUIREMENTS EN 197-1
2 days	EN 196-1	23.0 MPa	≥ 10 Mpa
7 days		39.0 MPa	-
28 days		49.0 MPa	≥ 42.5 MPa, ≤ 62.5 MPa

- SETTING TIME**

NUMBER OF DAYS	TESTING METHOD	AVERAGE VALUES	REQUIREMENTS EN 197-1
Initial setting time	EN 196-3	155 min	≥ 60 min
Final setting time		195 min	-
Expansion capacity		1 mm	≤ 10 mm
Sulphate content	EN 196-2	1.8%	$\leq 3.5\%$
Chloride content		0.03%	$\leq 0.10\%$

- COMPOSITION:**

80-94% Cement | 6-20% Fly ash

- BENEFITS**





1. DURABILITY OF CONCRETE

- Resistant to abrasion

2. BETTER PERFORMANCE

- Fly ash makes the cement more resistant and stronger on the long run

• MIX DESIGN

APPLICATIONS	MIX DESIGN FOR A 25 KG CEMENT BAG	FINE AGGREGATES (Sand) SSD*	CORSE AGGREGATES (Macadam*)	WATER
CONCRETE	 1 bag x 25 kg	3 buckets x 18 kg (54 kg)	3.5 buckets x 16 kg (56 kg)	 ± 10L
MORTAR	 1 bag x 25 kg	3 buckets x 18 kg (54 kg)	X	 ± 12.5L

SSD*- Surface Saturated Dry / Macadam* - Mix of 6/10 and 14/20 aggregates

• AVAILABILITY OF PRODUCTS

- **Cementis (Mauritius) Ltd**
Chaussée Tromelin,
Mer Rouge, Port Louis
- **Baobab Distribution Centre**
Valentina, Trianon
- **Baobab Distribution Centre**
Bonair, Triolet
- **Baobab Distribution Centre**
Rose Belle

• HEALTH & SAFETY

Health and Safety recommendations are given on our cement bags

• DISCLAIMER

The above mentioned values are averages obtained from internal tests and can only be considered as indicative. Cementis (Mauritius) Ltd only guarantees the limit enforced by the standards. This technical data sheet is the intellectual property of Cementis (Mauritius) Ltd and cannot be used without its consent

• INFORMATION

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