Masonry Cement Composites (Pty) Ltd

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Durashake 60 25Kg



SKU: MWMSK601

TECHNICAL DATASHEET

DURASHAKE 60
Concrete Floor Hardener

DURASHAKE 60 a specially graded inert quartz aggregate combined with blended cements, water absorbing agents and other proprietary chemicals. The hard-wearing quartz aggregate has high abrasion resistant characteristics providing 2-3 times greater wear resistance than plain concrete floors. The floor is then nonoxidizing and chemically inert.

TYPICAL APPLICATION
DURASHAKE 60 provides one of the hardest wearing non-dusting floor surfaces in the following typical locations / facilities: Engineering Workshops, Abattoirs, Garages, Bakeries, Warehouses, Laboratories, Power Stations, Subways,

Loading Bays, Car Parks, Breweries, Refineries, Desalination Plants, Factories, etc.

ADVANTAGES

- Increased Durability
- Increased wear properties
- Easy to apply
- Abrasion resistance
- Dusting resistance
- Improved impact resistance
- Reduces maintenance costs

WATCH POINTS
Maximum concrete slump should be 75 mm. Do not apply over concrete containing more than 3% entrained air. DO not sure with salt water or brackish water. Never apply over bleed water. Be aware of concrete susceptibility to delayed bleeding. Do not apply over concrete containing unrefined lignosulphonate admixtures. Always cure as soon as possible with CURE 200.

TYPICAL PROPERTIES
Colour Grey
MOH Scale 7-8
Aggregate Grade 18
Impact Value 22

Comparative Wear Results: Depth of Wear (mm)

Sample (min)	Control	DSHAKE
5	0.38	0.13
10	0.67	0.26
15	0.79	0.34
20	0.98	0.39
25	1.18	0.50
30	1.34	0.61
35	1.58	0.73
Weight Loss (gm)		
5	2.9	1.4
10	5.8	2.7
15	7.6	3.7
20	9.9	4.8
25	11.9	5.7
30	14.6	6.4
35	16.7	7.8

DIRECTIONS FOR USE

Base Concrete:
The base concrete should be designed to a minimum of 25 MPa - 30 MPa with ± 65 mm slumps. 25mm thickness. Consolidate, level and trowel to desired finish. Cure with CURE200.

Method:
Dry shake method: if bleeding occurs, remove all bleed water from surface then hand or machine float.

Application:
DURASHAKE 60 should be applied when the base concrete is sufficiently firm to take the weight of both workman and power float, leaving foot prints no greater than 3mm in depth. It is essential that no free-standing water is evident. DO NOT DELAY application when this point has been reached.
Apply 2/3 of the first shake and carry out the first power or hand trowel operation, repeat the operation with the remaining 1/3 at right angles to the first. Ensure that the first stage is completely trowelled in before continuing with the second stage.
When the sheen begins to leave the surface, carry out power trowelling to close the pores and completely level the surface. Initially the power float blades should be set flat or at a slight angle and as the surface continues to stiffen the angle of the blades should be increased when trowelling, do not add water to the surface for finishing purposes.

Curing:
All exposed areas of grout must be treated with CURE 200.
Coverage Using Dry Shake Method (kg/m2):

Light Duty: 3-4
Medium Duty: 5-7
Heavy Duty: 8-10

Equipment Care
All tools should be cleaned with thinners immediately after use. If delayed, the equipment will need mechanical action to clean or be discarded.

Warranty
Masonry Cement Composites (PTY) Ltd products have a manufacturing defect free warranty. Products, when applied as stipulated in this technical datasheet, will perform as specified without manufacturing defect.
REVISION: 5.2

TYPICAL PROPERTIES