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SPECIFICATION FOR

IMPACT RESISTANT FLOOR HARDENER

STEELITE*

REQUIREMENT:

Heavy duty concrete floor finish, with high resistance to shock / impact or point-contact loads (as in engineering works, workshops, tracked vehicle floors or roads, etc).

PRODUCT TO USE:

STEELITE Metallic Aggregate

HOW TO SPECIFY:

Monolithic floors

<u>Service Requirement:</u>	<u>Rate of Application Kg / m2:</u>
Moderate to Heavy Duty	2 – 3 Kg / m2
Heavy Duty	3 – 6 Kg / m2

All floors (state areas) shall be resistant to shock / impact and/or point-loading by the application of **STEELITE** metallic aggregate at the rate of (select rate as per *Service Requirement above*) Kgs per square metre. The **STEELITE** shall be mixed with an equal quantity of cement and distributed evenly over the FRESHLY SCREEDED surface in at least two 'throws' at right angles to each other to give even distribution. The **STEELITE** shall then be trowelled in by hand with WOODEN FLOATS and later machine trowelled to a hard dense finish.

Where **STEELITE** is used at 3.5 kg per square metre or more, it shall be mixed with cement at the rate of 2 **STEELITE** : 1 cement.

Granolithic Toppings (*Contact Cementaid for Technical Service & recommendations*) All floors (*nominate areas*) shall be topped within 24 hours of screeding base concrete with a **STEELITE** metallic topping, bonded using **Cementaid WELDCRETE** Bonding Agent, and rolled and screeded to a thickness of (*state thickness*),

and trowelled to a uniform finish. Proportions of topping mix to be (: : :), of type GP cement : **Steelite** : sand : 6mm crushed aggregate (*select mix from the following*) ;

Class of Service & Mix Proportions (by wt)	Approximate Steelite Content (Kgs/m2) in thickness;				
	12mm	20mm	25mm	40mm	50mm
Class A - 1 : 1 : 1 : 3 Very heavy-duty floors subject to severe impact or point-contact loads	*	6	8	12	16
Class B - 1 : 0.5 : 1.5 : 3 Heavy-duty Industrial	*	3	4	6	8
Class C - 2 : 1.5 : 5 : 0 General Industrial	3	5	6	*	*

EFFECTS:

Increases resistance to mechanical surface damage from heavy impact, point-loading and severe abrasion by 500-800%, and hence effective life of floor. Increases 'Slip-resistant' nature of surface.

WHERE RECOMENDED:

All heavy-duty floors, such as engineering works, workshops, tracked vehicle floors or roads. All areas subject to traffic of wheeled trolleys, or any kind of impact loading, or storage and handling of heavy or angular objects.

NOTE:

1. Always assist optimum results by using CALCURE curing membrane.
2. In damp, wet or corrosive environments, corrosion protection by using **CALTITE** heavy duty waterproofing compound is most important. Contact **CEMENTAID** for special recommendations.



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INDUSTRIAL FLOOR SPECIFICATIONS • CONCRETE WATERPROOFING & CORROSION-PROOFING ADMIXTURES
OIL & SOLVENT PROOFING • SURFACE TOUGHENING & DUSTPROOFING • ANTI-CORROSION IMPREGNATIONS
RAPID HARDENING • RETARDING • GEL CONTROL AGENT • MORTAR AND DAMPCOURSE ADMIXTURES, etc.

The information and recommendations herein are, as a result of experience and testing, accurate to the best of the seller's knowledge. However, as the proposed use and the circumstances surrounding such use are not known to the seller, it does not guarantee or warrant the product's suitability in any particular instance and shall not be liable for any loss or damage consequent upon any use whatsoever unless the seller has otherwise stipulated the product's suitability for a particular use in writing signed by a Director of the seller.

TECHNICAL SERVICE OFFICES

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