



## AT A GLANCE

### Manufacturer

SIB Sociedade Industrial  
De Britagem De Pedra, LDA

### Natural Look

Easy to Trowel & Finish  
Reduce Lime deposits  
Less dusting  
CE Marked  
Full colour range

### Higher Performance

Higher Abrasion Resistance  
Higher Impact Resistance  
Indoor & Outdoor Application  
High Adhesion  
Rust Free

## DESCRIPTION:

Sib Metal A3 dry shake is manufactured from metal and mineral aggregates, special modified Portland cement and chemical additives. It is applied by dry shake method on freshly laid, damp concrete to form a layer with greater impact and abrasion resistance. It reduces the risk of surface spalling/cracking and limit the formation of dust and lime deposits in the surface. It comes in all ral colors.

Due to our own production of uniquely shaped aggregates and special bonding cements the adhesion of our dry shake is extraordinary.

### FIELDS OF APPLICATION:

Sib Metal A3 is made improve the surface hardness and wear resistance on heavy industrial concrete floors indoor or out door.

Sib Metal A3 is apt for any heavy industry like Car parks, Logistic Centres, Loading Bays, Warehouses, storage areas and traffic areas in steel industry and other heavy industries, Air Craft Hangars, Assembly plants in automobile industry or other heavy industries etc.

## TECHNICAL PROPERTIES AND CHARACTERISTICS APPLICATION

### TRAFFIC INTENSITY & AGGREGATES

	Aggregate composition	Hardness (Mohs scale)	Traffic intensity
SIB Metal A3	Metal A3/HARD AGGREGATES	8/9	High

C = Compressive Strength. F = Flexural Strength. A = Abrasion Resistance. SH = Surface Hardness. Kg/m<sup>2</sup> = Consumption

	C (N/mm <sup>2</sup> ) EN13892-2	F (N/mm <sup>2</sup> ) EN13892-2	A BCA	A Böhme	SH EN13892-2	Kg/m <sup>2</sup>
SIB Metal A3	C70	F10	AR 0,5	A3	SH1800	4-8 kg/m <sup>2</sup>

### APPLICATION:

Dry shakes work best on well proportioned Concrete Mix.  
Cement content, water cement ratio and slump should be in accordance with standards.

SIB Metal A3 is applied with dry shake method for the production of industrial concrete flooring with integrated wear topping. The concrete is ready to receive the dry shake when it is neither too wet nor too dry and has reached the right consistency. The surface should be just firm enough to take the weight of a man walking on it and leaving only minor indentations (Foot prints of 1-3 mm).

Concrete should not segregate and bleed or contain more than 3% air. Dry shake is best installed when temperatures are between 5-30°C. With high temperatures and in direct sunlight special precautions should be taken.

The application is normally carried out in two stages.

Apply the required material to the concrete ensuring uniform distribution.  
Allow applied material to absorb moisture from the concrete surface.

Trowel Sib Metal A3 into the concrete ensuring material becomes an integral part of the surface.

Further application can be carried out as long as the SIB Metal A3 still is able to moisten and absorb moist from the concrete. Wait until material has absorbed sufficient moist from the concrete base and trowel it with pans to work the dry shake into the surface.

A slip resistant finish can be obtained, but then the surface should not be overworked.

The floor is then power troweled with blades till you achieve the desired finish.

For light colours you can use plastic pans and blades to avoid darkening and heavy trowel marks. With metal blades the surface will be denser and tighter.

### Production, packaging, storage and validity

Sib Metal A3 Dry Shake is sold in bags of 25 kg, 30 kg Or 500 kg or 1000 kg big bags palletized. Store the bags in a dry place and protected from extreme temperatures. Respected storage conditions, product is valid for 1 year from the date of manufacturing.

### Cracking and User responsibility:

Cracking, delamination and micro spalling is reduced, but not eliminated by using SIBLAND DRY SHAKES. These problems are caused by the use of bad concrete, the application, weather conditions, curing etc. why SIBLAND cannot be responsible for problems related to cracking, micro spalling or delamination.

### Recommendations

Avoid applying in extreme temperatures. Avoid addition of water during application of the DRY SHAKE The concrete should have a correct content of cement.

### WARNING: DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN AND EYES.

Use material in well-ventilated areas only. Exposure to cement dust may irritate eyes, nose, throat, and the upper respiratory system/lungs. Silica exposure by inhalation may result in the development of lung injuries and pulmonary diseases, including silicosis and lung cancer. Seek medical treatment if you experience difficulty breathing while using this product. The use of a NIOSH/MSHA-approved respirator (P-, N- or R-95) is recommended to minimize inhalation of cement dust. Eat and drink only in dust-free areas to avoid ingesting cement dust. Skin contact with dry material or wet mixtures may result in bodily injury ranging from moderate irritation

and thickening/ cracking of skin to severe skin damage from chemical burns. If irritation or burning occurs, seek medical treatment. Protect eyes with goggles or safety glasses with side shields. Cover skin with protective clothing. Use chemical resistant gloves and waterproof boots.

In case of skin contact with cement dust, immediately wash off dust with soap and water to avoid skin damage. In case of skin contact with wet concrete, wash exposed skin areas with cold running water as soon as possible. In case of eye contact with cement dust, flush immediately and repeatedly with clean water, and consult a physician. If wet concrete splashes into eyes, rinse eyes with clean water for at least 15 minutes and go to the hospital for further treatment.

### LIMITED WARRANTY:



Sociedad Industrial  
de Britagem de Pedra

PRODUCT DATA SHEET

# SIB METAL A3

High Performance Wear Layer

JUNE 2019

SIB, Sociedade Industrial De Britagem De Pedra, LDA warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of SIB's responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. SIB shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.