

Dry Shake

High Performance Wear Layer

MAY 2017

AT A GLANCE

Manufacturer

SIB, Sociedade Industrial
De Britagem De Pedra, LDA

Natural look

Easy to Trowel & Finish

Reduce lime deposits

Less dusting

ASTM certified and CE marked
products

Full colour range

High Performance

High to Extreme High Abrasion

Resistance

Higher Impact Resistance

Indoor and outdoor application

High Adhesion



DESCRIPTION:

SIBLAND DRY SHAKES are manufactured from mineral, metallic or synthetic aggregates, special modified Portland cement and chemical additives. It is applied 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 Dry Shakes are made to resist medium to extreme high traffic and are used in industrial, commercial or residential concrete floors:

Car parks, Warehouses, Exhibition Centres, Pedestrian areas, Stores, Factories, Schools, Logistic Centres, Heavy industry, where there are belt vehicles, etc

In high traffic areas, we recommend the use of DRY SHAKES with a wear resistance from A3 on the Böhme scale.

TECHNICAL PROPERTIES AND CHARACTERISTICS

TRAFFIC INTENSITY & AGGREGATES

	Aggregate composition	Hardness (mohs scale)	Traffic intensity
SIBQUARTZ	QUARTZ	7	Medium - High
SIBCUR SIBBAZALT	BASALT	7	Medium - High
PREMIUM	BASALT	7	Medium - High
SIBKORUND A5	CORUNDUM	9	High
SIBKORUND A3	CORUNDUM	9	Extreme
SIBKORUND HP	CORUNDUM	9	Extreme
SIBPUREQUARTZ	PURE QUARTZ	9	Extreme
SIBMETAL A5	NON-OXIDE METAL	N/A	High
SIBMETAL A3	NON-OXIDE METAL	N/A	Extreme
SIBMETAL HP	NON-OXIDE METAL	N/A	Extreme

C = Compressive Strength. F = Flexural Strength. A = Abrasion Resistance. SH = Surface Hardness. Kg/m² = Consumption

	C (N/mm ²) EN13892-2	F (N/mm ²) EN13892-2	A Böhme	SH EN13892-2	Kg/m ²
SIBQUARTZ	C60	F10	A6	SH850	3-6 kg/m ²
SIBCUR SIBBAZALT	C70	F10	A9	SH900	3-6 kg/m ²
PREMIUM	C60	F7	A13	SH1200	3-6 kg/m ²
SIBKORUND A5	C70	F10	A5	SH1300	5-9 kg/m ²
SIBKORUND A3	C70	F10	A3	SH1600	5-9 kg/m ²
SIBKORUND HP	C80	F10	A1.5	SH1600	5-9 kg/m ²
SIBPUREQUARTZ	C75	F11	A3	SH1600	3-6 kg/m ²
SIBMETAL A5	C70	F10	A5	SH1300	6-10 kg/m ²
SIBMETAL A3	C70	F10	A3	SH1400	6-10 kg/m ²
SIBMETAL HP	C80	F11	A1.5	SH1800	6-10 kg/m ²

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MIXING:

Make sure that the B component is well stirred before use. Add the indicated measured amount of B compound to each bag of A component to the mixing container. While the mixer is running, add Extreme Trowel A. Additional liquid may be added if necessary. Multi-bag batches and the use of mixer pumps produce more uniform results. After the final bag is added to the batch, mix an additional 2 to 3 minutes until the mixture is lump-free. Avoid mixers that entrap large amounts of air. The material has to be used right after mixing. If the mixed material is left for more than 5 minutes and settles, the material should be remixed before application. Maintain material temperature between 16°C (60°F) and 27°C (80°F).

APPLICATION:

Apply the concrete base as evenly as possible. Observe that a lower “slump” reduces the colour differences in the top surface. When you are able to walk on the surface and the “foot mark/print” is approx 1-3 mm, it is time to apply the SIBLAND DRY SHAKE. When applying this late, the risk for discolouring is minimized.

Power trowel to even the surface, or make sure that it is well screeded and even, before application of SIBLAND DRY SHAKE.

Apply approx 3-4 kg per m² as even as possible with sprinkling carrier or other application tool. Let the SIBLAND DRY SHAKE absorb moisture from the sub base. Power trowel the layer into the surface with trowel pans. Repeat the process, if a thicker dry shake layer is required. The flatness will be better the bigger machines and the larger trowel pans you use.

Finally power trowel the surface with finishing blades. If you want a dense and glossy surface, continue till you have reached the desired result.

If you use white or very clear coloured dry shakes plastic blades may be used to avoid trowel marks. Be aware that trowel with plastic blades does not give as dense and hard a trowel as metal blades.

Production, packaging, storage and validity

SIBLAND DRY SHAKE are sold in bags of 30 kg 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 and not contain “fly ash”.

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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:

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.