

AT A GLANCE

Manufacturer

SIB, Sociedade Industrial
De Britagem De Pedra, LDA

Natural Concrete look

Easy to polish & Finish

Joints 6*6 m

CE mark

Tested and Certified products

Full RAL colour range

High Performance

High Strength

High Flexibility

High Abrasion resistance



DESCRIPTION:

SIBDEKODUR R is a high performance screed composed of special cements, fibers, chemical additives and selected aggregates with high strength and flexibility. It is made for application on existing floor bases to form a new pavement with high or extremely high resistance to abrasion. The product can be produced in various colors and finishes. Applying thickness from 8 to 70 mm.

There are 2 products in the Decodur R serie to compensate for the huge differences in the way concrete is curing.

R 80 from 8 to 20 mm thickness

R 200 from 20 to 70 mm thickness

SIBDEKODUR can be used outside and inside.

FIELDS OF APPLICATION:

Renewal of old floors and application of new domestic, commercial and industrial flooring. Where you wish a high abrasion resistance and natural concrete look.

Sibdekodur R is often used to repair floors where you have had failure with the Dry Shake or concrete curing.

Can be used in schools, airports, warehouses and logistic centres, retail, restaurants, lobbies, and more.

TECHNICAL PROPERTIES AND CHARACTERISTICS

Pumpable

Fire proof

Polishable

Easy to screed and work with

Low shrinkage/contraction

Long opening time

High abrasion resistance

Low cracking risk

High Compressive strength

Esthetic – natural look

Slip resistant

Open to heavy traffic in 7 days

Name	Compressive strength (N/mm ²) EN13892-2	Flexural strength (N/ mm ²) EN13892-2	Abrasion resistance Böhme	Consumption in Kg/m ²
Sibdekodur R A9	C40	F8	A9	1,9 kg/mm/m ²
Sibdekodur R A6	C40	F9	A6	2.0kg/mm/m ²
Sibdekodur R A5	C50	F10	A5	2.1 kg/mm/m ²
Sibdekodur R A3	C50	F11	A3	2.4 kg/mm/m ²
Sibdekodur R A1.5	C50	F11	A1.5	2.5kg/mm/m ²

PREPARATION:

The concrete or other floor base must be clean, free of dust and grease. The base must be consistent, without loose particles and disaggregation. The support should have a minimum tensile strength of 1.5 MPa. The base must be visually dry with a maximum moisture content of 4% without possibility to increased moisture by capillarity.

If you have doubts about moisture, you may take precautions using special primers. Cracks in the base should be repaired. Weak bases, which cannot sustain the contraction of coating must be removed or restored.

The support should be grinded or blasted and subsequently aspirated. Use primer SIBPRIMER EPOXY broadcasted with sand aggregates 1-1,8/2,0 mm til refusal.

Alternatively, the surface can be roughly blasted and an acrylic primer - SIBPROMER A1 can be sprayed on. Foam, special tapes or other flexible separators should be used to avoid direct contact with the material and walls, columns or tubes or other objects going through the floor.

Surface and ambient temperatures shall be between 5°C to 32°C (40°F to 90°F).

Dekodur R

Hard Aggregate Screed

JANUARY 2017

MIXING:

Add water to the product. 3,0-3,5 l of water to 25 kg of mortar. Mix with an electric mixer or concrete mixer to a consistent and homogeneous paste. Mix for 3-4 minutes. The product may be applied manually or using mixer and pump using specific machines for pumping.

APPLICATION:

Separators should be applied in the vertical parameters to avoid cracks. Application areas should not be bigger than 40m². Profiles should be used with the function expansion to reduce risk of cracking.

SIBDEKODUR R mortar should be applied within the limits of minimum and maximum thickness. The mortar should be well screeded and leveled. Once the mortar has taken strength to withstand foot traffic (normally when the foot print is about 1 mm) without significant deformation it should be trowelled using Power trowel. On light colors we recommend the use of plastic blades for finishing, to prevent marks on the pavement.

CURING:

Once the floor has been troweled the material has to cure properly. We recommend the use of liquid curing agent (SIBCURING/SIBAQUACURE or SIBRESIN 20), plastic or geotextile with water for a few days. In case no separation joints are used, the pavement must be cut after 24 hours. Areas without contraction joints should not exceed 30 m². If the base floor underneath already has joints, these joints should be respected and sawcuts should be made in the new floor.

FINISH:

Extreme may be sanded or polished after 5-7 days under normal conditions. The material can be used with the troweled finish and does not need aftertreatment.

PRODUCTION, PACKAGING, STORAGE & VALIDITY

Dekodur is sold in 30 kg (55lb) bags (Mortar)
Products can be packed according to individual needs.
Store bags in a dry place and protected from extreme temperatures and direct sunlight. With the right conditions of storage, the product is valid for six months from the manufacturing date.

CRACKING AND USER RESPONSIBILITY

Cracking and microspalling, can appear using Dekodur R. Cracking can be transmitted from the basefloor underneath. Dekodur behave very much like a traditional concrete and to avoid problems it is important to control the application, weather conditions, curing etc.

SIBLAND cannot be responsible for problems related to cracking or micro spalling.

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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.