

Sika® Aggregates

Positioning Description

A selection of carefully graded, kiln dried and blended natural aggregates.

Uses

Sika® Aggregates have been specifically developed for compatible use with a range of Sika products to provide a selection of non-skid surfaces that will help promote safety in the work place.

Product Data

Sika® Aggregate 500 is used for broadcasting over a range of Sika epoxy coatings to provide very high levels of skid resistance in critical situations. Ideal in wet-processing or hose-down areas in the manufacturing industry.

- Aggregate grading: 0.3 - 1.7mm
- Dry, bulk density: 1.5kg/litre approximately
- Packaging: 25kg bags

Sika® Aggregate 501 when scattered liberally over Sikafloor®-261 (base coat) at a uniform rate of coverage will provide a heavy duty, non-skid surface, offering maximum grip once the sealer coat is applied.

- Aggregate grading: 0.1 - 1.2mm
- Dry, bulk density: 1.5kg/litre approximately
- Packaging: 25kg bags

Sika® Aggregate 502 is used as a filler in Sika resin toppings. It can also be scattered liberally over wet Sikafloor Systems at a uniform rate to achieve a very coarse textured slip resistant finish. A sealer coat is applied following cure and removal of excess aggregate.

- Aggregate grading: 1.18 - 2.8mm
- Dry, bulk density: 1.5kg/litre approximately
- Packaging: 25kg bags

Sika® Aggregate 505 is scattered liberally over Sikafloor®-261 (base coat) at a uniform rate to achieve a minimally textured non-slip surface once the sealer coat has been applied. Sika® Aggregate 505 can also be used over Sikafloor®-81 EpoCem and left as a finished non-slip surface, or subsequently overcoated with a selected Sikagard or Sikafloor epoxy coating.

- Aggregate grading: 0.1 - 0.5mm
- Dry, bulk density: 1.4kg/litre approximately
- Packaging: 25kg bags

Sika® Aggregate 506 is scattered liberally over Sikafloor®-261 (base coat) at a uniform rate to achieve a coarsely textured non-slip surface once the sealer coat has been applied. Sika® Aggregate 506 is also used as the Component C Aggregate for Sikafloor 91.

- Aggregate grading: 0.1 - 2.5mm
- Dry, bulk density: 1.6kg/litre approximately
- Packaging: 25kg bags

Sika® Aggregate 508 is used as the Component C Aggregate for Sikafloor®-261 and Sikafloor®-325. Mixing weights and volumes are contained in the Technical Data Sheet for Sikafloor®-261.

- Aggregate grading: 0.1 - 0.3mm
- Dry, bulk density: 1.55kg/litre approximately.
- Packaging: 20kg bags

Sikafloor® Spheres is a fine, slip resistant ceramic aggregate which is added to low viscosity (thin) Sikafloor systems such as Sikafloor® 2530W and SikaGlaze® PU.

- Particle size: 20 – 300 microns
- Dry, bulk density: 400gms/litre approx
- Hardness: 6 on the Mohs scale
- Does not affect application method
- Good compromise between slip resistance & cleanability
- Recommended addition rate: 20gms/litre
- Approximate co-efficient of friction (NZS/AS 3661:1993): > 0.5 wet
- Packaging: 4kgs: - 10 litre bucket

Construction



NOTE: Sikafloor® Spheres are best added to the second to last coat of (spray, brush or roll applied) Sikafloor. Mix into the Sikafloor coating ensuring complete dispersion. Apply Sikafloor coating normally. Not recommended for use in Final/Top coats. May be visible when applied over dark or bright coloured backgrounds. A sample area is recommended for prior approval.

Note: All the above Sika® aggregates are suitable for use with other Sikagard and Sikafloor products to provide non-skid surfaces of varying effectiveness. The Sika Technical Department will be able to assist with selecting the most appropriate aggregates to suit individual requirements.

Pea Metal	<p>Sika offers a well graded and blended clean aggregate for use specifically with the Sika Grout range of high strength cementitious grouts. When these cement rich Sika Grouts are used to fill larger cavities they should ideally contain Pea Metal to prevent excessive expansion as a result of exotherm during the cement hydration process. Sika Pea Metal is also used for bulk filling of the Sika Pour on Floor range of cement based levelling screeds. Pea Metal supplied by Sika has been carefully selected to ensure that maximum strength properties of the grouts/screeds are maintained when it is added. No more than 10kg of Pea Metal should be added to a 25kg bag of Sika Grout. A typical Sika Grout mix containing Pea Metal would be:</p> <ul style="list-style-type: none"> • Sika Grout 212: 25kg • Pea Metal: 10kg • Water: 4.5 litres (maximum) <p>A mix of these proportions will provide a compressive strength in excess of 60MPa at 28 days.</p>
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Notes	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
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Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
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Health & Safety Instructions

Protective Measures	<ul style="list-style-type: none"> • To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. • Local regulations as well as health and safety advice on packaging labels must be observed. • For further information refer to the Sika Material Safety Data Sheet which is available on request. • If in doubt always follow the directions given on the pack or label.
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Important Notes	<ul style="list-style-type: none"> • Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. • Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
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Legal Notes	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.</p>
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