

PRODUCT DATA SHEET

Sikadur[®]-915

(formerly MSeal 915)

High strength, free-flowing epoxy grout

DESCRIPTION

The product is three component and easily mixed on site to a pourable consistency. Sikadur[®]-915 is suitable for an application thickness range of 10-80mm where high flow characteristics are required. Where greater thicknesses are required, pour in two sections leaving 6 hours between each pour or consider the use of SikaFlow[®]-640.

USES

- Anchors and fixing bolts
- Crane and transporters rails
- New and old machine base plates
- Structural filling of holes and cavities in concrete
- Industrial equipment and machinery subject to static or dynamic forces
- Equipment where chemical and acid spillage occurs
- Pile cap waterproofing (at >20mm thickness)
- Steel columns for warehouses

FEATURES

- No priming required
- High tensile, flexural and compressive strength
- Excellent adhesion to steel and concrete
- Rapid installation and strength gain to ensure early commissioning of equipment
- Excellent fatigue resistance
- Compatibility with equipment subject to extensive thermal movement
- High resistance to dynamic loads and chemical attack
- Non-shrink and tolerant to damp surfaces

PRODUCT INFORMATION

Composition	Bisphenol A epoxy resin base is a low viscosity liquid reactor which when mixed with the inert aggregate forms an easily pourable and mobile grout.
Packaging	Sikadur [®] -915 is supplied in 10kg units.
Shelf life	Up to 12 months when stored in unopened containers according to manufacturer's instructions.
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates, the product must be stored in an air-conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Density	2000kg/m ³

TECHNICAL INFORMATION

Compressive strength	24 hrs 100N/mm ²
Flexural-strength	40N/mm ²
Chemical resistance	The resistance of Sikadur®-915 to most common corrosive chemicals is excellent: <ul style="list-style-type: none">• Dilute and concentrated alkalis• Most dilute acids• Oil and petrol• Ammonia• Formaldehyde• Saline solutions• Mineral oil, vegetable and animal fats

APPLICATION INFORMATION

Consumption / Yield / Dosage (PRINT single line)	10kg of Sikadur®-915 will yield 5ltr.
Pot Life	at 25°C 50 min
Curing time	at 25°C 7 days at 40°C 3 days

BASIS OF PRODUCT DATA

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.

LIMITATIONS OF USE

Do not apply Sikadur®-915 when the contact surfaces are less than 10°C. If the ambient temperature is less than 10°C, then artificial heating may be used.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

As with all epoxy resin applications, the quality of surface preparation has a direct effect on the performance and durability of the system. Concrete surfaces should be sound, dimensionally stable, clean, free from laitance, paint, oil, grease, mould release agent and residual curing compound. Metal surfaces or components to be bedded should be free from any rust or scaling. Formwork, if used, should be wrapped in polythene to ensure a clean release.

MIXING

Do not split packs or alter the ratio of resin components in any way. Mix with a slow speed drill and paddle. Add the contents of the reactor container to the base component in a suitable mixing vessel, ensuring complete transfer of both resin components. Mix for one minute before slowly adding the aggregate and continue mixing until a flowing, pourable consistency is achieved. Do not over-mix, as that may entrain air.

APPLICATION

Place immediately after mixing, into the prepared area in such a manner that it has the shortest distance to flow. For longer pours, a suitable head of pressure may be required. Ensure the area to be grouted is not completely sealed, and any displaced air can be expelled. Pour continuously from one end only. Allow the grout to set prior to removal of formwork (normally after 6 hours). Where placement exceeds depths of 80mm, application should be carried out in layers. The second layer is to be applied after 6 hours.

CLEANING OF EQUIPMENT

Clean all equipment promptly with solvent. Any excess cured material will have to be mechanically removed.

LEGAL NOTES

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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