

Description	Beger FlooraGuard Coating is a two-pack epoxy, high performance, seamless epoxy coating capable of being applied at varying thickness from 50 to 100 microns to suit the final use of the floor. Beger FlooraGuard Coating offers excellent chemical, abrasion and impact resistance.																										
Properties for Use	Beger FlooraGuard Coating is suitable for concrete flooring, steel structural, tank farm, piping, and chemical plant equipments.																										
Feature and Benefits	* Gloss retention : Fair * Water resistance : Very good * Abrasion resistance : Very good * Solvent resistance : Excellent * Chemical resistance : Excellent * Flexibility : Good																										
Film Thickness and Spreading Rate	Minimum	Maximum	Typical																								
* Dry film thickness (microns)	40	60	50																								
* Wet film thickness (microns)	73	109	91																								
* Theoretical coverage rate (m <sup>2</sup> /Litre/coat)	13.7	9.2	11.0																								
Physical Properties	: Epoxy : Glossy : According to Colour Card : 53 - 57%  <div style="display: flex; justify-content: space-around;"> <div> <b>@10°C</b>            5 16 14 16 96         </div> <div> <b>@23°C</b>            3 6 7 12 72         </div> <div> <b>@40°C</b>            2 5 3.5 6 36         </div> </div> <p>: Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:            * Good ventilation (Outdoor exposure or free circulation of air).            * Typical film thickness.            * One coat on top of inert substrate.            : Provided the surface is free from chalking and other contamination prior to application, there is normally no overcoating time limit. Best intercoat adhesion occurs, however, when the subsequent coat is applied before preceding coat has cured.            If the coating has been exposed to direct sunlight for some time, special attention must be paid to surface cleaning and mattening/removal of the surface layer in order to obtain good adhesion.            : The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.            : 25 - 29°C</p>																										
* Flash point																											
Application Method	* Tool : Brush, roller, spiked roller or steel trowel. * Brush : Stiff Nylon Brush. * Roller : Short Hair Stiff Nylon Roller. * Spiked Roller : It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles. * Steel Trowel : For thickness from 0.5 - 1.0 mm use a steel trowel or height adjustable steel spreader. The material should be spread out onto the floor using a flat edge trowel or similar tool and finished with a good quality short hair mohair roller. : Once the desired film thickness is achieved, it is very important to roll the coatings with a spiked roller. This will help to a old air bubbles and remove trowel marks.  : Beger Thinner #M-68. : 4 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent). Induction time is 30 minutes. : Guiding data airless spray : Pressure at nozzle 15 MPa (150 kp/cm <sup>2</sup> ; 2100 psi) : Nozzle tip : 0.46 - 0.58 mm (0.018 - 0.023 inches) : Spray angle 40 - 80° : Filter Check to ensure that filters are clean. : The temperature of the substrate should be minimum +10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure proper drying. : Hydrojetting of steel surface makes a wet surface. The surrounding air must have a relative humidity not exceeding 85%. Before painting the surface shall not be glossy with moisture, but can have a patchy appearance. : The temperature of the mixture of base and curing agent is recommended to be at least 15°C. : Too much solvent results in lower sag resistance and slower cure. : If extra solvent is necessary, this should be added after mixing of the two components.																										
* Thinner																											
* Handling																											
* Condition during application																											
Application System	* Surface preparation : All surfaces damaged by exposure to chemicals, contaminated by any substance or unsound in any way, shall be removed to expose sound concrete. : New surfaces : Coated surfaces : All surfaces should be clean and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. : Other surfaces * Clean, dry and undamaged compatible primer. For maintenance WJ3 (NACE No.5/SSPC-SP 12) or power tool cleaning to min. St 2 for rusted areas. : General Concrete * Concrete surface preparation by using dust free captive blasting units, grinding equipment, sand blasting or high pressure water jetting is critical to achieving the right surface profile prior to paint application. Please contact Beger office for more information. * Primer : Beger FlooraGuard 1100 * Top coat : Beger FlooraGuard Coating : Rough Concrete * Primer : Beger C-Guard Sealer * Top coat : Beger FlooraGuard Coating : Smooth Concrete * Primer : Beger C-Guard Penetrating Sealer * Top coat : Beger FlooraGuard Coating : Other systems may be specified, depending on area of use. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td><td style="width: 10%; text-align: center;">1</td><td style="width: 20%;">coat</td><td style="width: 20%;">(50 - 100 μm)</td></tr> <tr> <td></td><td style="text-align: center;">2</td><td>coats</td><td>(50 μm)</td></tr> <tr> <td></td><td style="text-align: center;">1</td><td>coat</td><td>(50 μm)</td></tr> <tr> <td></td><td style="text-align: center;">2</td><td>coats</td><td>(50 μm)</td></tr> <tr> <td></td><td style="text-align: center;">1 - 2</td><td>coats</td><td>(100 μm)</td></tr> <tr> <td></td><td style="text-align: center;">2</td><td>coats</td><td>(50 μm)</td></tr> </table>				1	coat	(50 - 100 μm)		2	coats	(50 μm)		1	coat	(50 μm)		2	coats	(50 μm)		1 - 2	coats	(100 μm)		2	coats	(50 μm)
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Storage	: The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. : Containers must be kept tightly closed. : 12 months at ambient.																										
Health and safety	: Please observe the precautionary notices displayed on the container. : Use under well ventilated conditions. : Do not breathe or inhale mist. : Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. : Eyes should be well flushed with water and medical attention sought immediately.																										
Precaution	: Keep out of reach of children. : Do not use or keep near heat, sparks, flame or other source of ignition and direct sun light. : Keep away from water during application.																										
Reference Standard	: -																										
Packing Size	: 3.785 Litres : 3.028 litres Comp. A (base) and 0.757 litres Comp. B (curing agent). : 18.92 Litres : 15.136 litres Comp. A (base) and 3.784 litres Comp. B (curing agent).																										

#### DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, We cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

#### TECHNICAL DATA SHEET

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