

**Product Data Sheet**

Version 09/2005 (10/2012)

# Sikafloor® Marine E-43 Broadcast

## Floor Coating and Coving System

**Technical Data**

	Component A	Component B	Component C
Chemical Base	Epoxy Resin	Amine Derivatives	Filler
Colour	Milky White	Brownish/Clear	Customer-defined
Density (approx)	1.2 g/cm <sup>3</sup>	1.0 g/cm <sup>3</sup>	1.5 g/cm <sup>3</sup>
Recommended Thickness	Minimum 3 mm		
Consumption (practical) Thickness of more than 4 mm or coving	0.3 kg/m <sup>2</sup> approx		Neutral
Primer Intermediate Layer	15 m <sup>2</sup> /mm/set or 12 mm coving (height approx 80 mm) per set		0.1 kg/m <sup>2</sup> approx. (0.3 - 0.7 mm)
Sikafloor® Marine 162 Clear Top-Coat	0.5 to .07 kg/m <sup>2</sup>		
Cure Mechanism	Chemical Reaction Between 2 Components		
Curing Time of Each Layer	Approx 12 hrs at +20°C. At lower temperatures, curing will be prolonged.		
Minimum Application Temperature	+5°C		
Waiting Time Between Applications	At +10°C - min 24 hrs/max 4 days At +20°C - min 10 hrs/max 2 days At +30°C - min 5 hrs/max 1 day		
Shelf Life Stored in a cool, dry place below 25°C	Minimum one year when products are stored dry and unopened.		
<sup>1</sup> CQP = Corporate Quality Procedure; <sup>2</sup> After 7 days; <sup>3</sup> 23°C and 50% Relative Humidity; and <sup>4</sup> After 28 days.			

**Description**

Sikafloor® Marine E-43 Broadcast is a two-component epoxy with mineral filler which, in combination with quartz, can be used as a non-skid finishing material; this material is also suitable for creating covings. This product is manufactured in accordance with ISO 9001 and ISO 14001 Quality Assurance Systems.

**Product Benefits**

- UV-resistant;
- High mechanical resistance;
- Non-skid finish;
- Seamless finish;
- Short waiting time;
- Low maintenance;
- Wheel-marked and approved by the USA Coast Guard.

**Areas of Application**

Sikafloor® Marine E-43 Broadcast is designed for use as a floor finish in laundries, galleys, service areas, etc.

**Surface Preparation**

Sikafloor® Marine E-43 Broadcast may be applied on hard foundations such as concrete and steel. Surfaces must be dry, free from dust, grease, oil and other substances which may impair adhesion.

## Mixing Process

It is recommended that the product be conditioned to room temperature before mixing.

**Step 1 - Priming:** Component A must be stirred thoroughly before adding Component B to it. The entire contents of Component B is emptied in to the Pail containing Component A and mixed using a power drill with appropriate mixing paddle.

**Step 2 - Intermediate Layer (3 - 4 mm in thickness):** Component A is stirred thoroughly before adding the Component B to it. The entire contents of Component B is emptied in to the Pail containing Component A and mixed using a power drill with appropriate mixing paddle. Following this, the uncoloured quartz (0.1 to 0.3 mm in size) is added and the entire compound thoroughly mixed. The resultant compound must be used within approx 15 minutes of mixing at a temperature of 20°C.

**Step 3 - For Thicknesses Greater Than 4 mm and Covings:** Component A must be stirred thoroughly before adding Component B to it. The entire contents of Component B is emptied in to the Pail containing Component A and mixed using a power drill with appropriate mixing paddle. This mixture is then added to the coloured quartz. It is stirred in an agitator mixer. The compound is thoroughly mixed until a dry, homogeneous consistency is obtained. This compound must then be used within approx 15 minutes of mixing at a temperature of 20°C.

**Step 4 - Top-Coat:** Sikafloor®-162 is recommended for use as a top-coat. Component B is emptied into Component A and mixed using a power drill and appropriate mixing paddle. The prepared compound must be used within approx 15 minutes of mixing at a temperature of 20°C.

## Application

**Primer:** Apply using a roller.

**Intermediate Layer:** Apply using a notched trowel; to obtain an even, smooth layer, use a spiked roller. Broadcast with coloured quartz.

**Coving:** Form covings using a specially-shaped tool.

**Top-Coat:** Apply using a rubber trowel or roller.

## Further Information

Copy of the following publications are available upon request: *Material Safety Data Sheet* and *Sikafloor® Marine E-43 Broadcast Application Guide*.

## Packaging

<b>Primer</b>	Component A: 6 kg Pail; Component B: 2.1 kg Pail.
<b>Intermediate Layer (3 - 4 mm)</b>	Component A: 6 kg Pail; Component B: 2.1 kg Pail; Component C: 40 kg Bag of kiln-dried Quartz (0.1 to 0.3 mm); Component D: 25 kg bag of coloured Quartz (0.3 to 0.7 mm).
<b>Coving or &gt;4 mm Thicknesses</b>	Component A: 2.9 kg Pail; Component B: 1 kg Pail; Component C: 10 kg Bag of Thixotropic agent; Component D: 40 kg Bag of kiln-dried Quartz (0.1 to 0.3 mm); Component E: 25 kg Bag of Coloured Quartz (0.3 to 0.7 mm).
<b>Top Coat</b>	Component A: 6.7 kg Pail; Component B: 3.3 kg Pail.
<b>IMPORTANT NOTE:</b> The bases and hardeners must <b>not</b> be exposed to freezing temperatures. Once mixed, Sikafloor® Marine E-43 Broadcast <b>must not</b> be exposed to temperatures below 5°C and to water or moisture until after full cure has been achieved. Do not expose the cured floor to warm water for a minimum 10 days.	

## Value Bases

All technical data stated in this Product Data Sheet are laboratory test-based. Current measured values may vary due to factors beyond our influence.

## Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the current Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data for the appropriate type of substance.

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, within their shelf life. 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 recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).

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