



**PRODUCT DATA SHEET**

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# Sikacrete®-203 Concrete Mix

ECONOMICAL, READY-TO-USE, BAGGED CONCRETE MIX

**Description** This concrete mix is formulated with a combination of Portland cement, sand, crushed aggregates and admixtures to improve the product properties. **When used following instructions, this product meets the ASTM C-387 requirements.**

**Where to Use**

- For exterior and interior, general purpose concrete work
- For applications exceeding 50 mm (2 in) thick

**Technical Data**

<b>Packaging</b>	30 kg (66 lb) bag	
<b>Colour</b>	Concrete Grey	
<b>Yield</b>	0.014 m <sup>3</sup> (0.50 ft <sup>3</sup> ) per bag	
<b>Shelf Life</b>	1 year in original, unopened bag. Store dry between 5 and 32 °C (40 and 90 °F), ensuring that product is not exposed to rain, condensation or high humidity. For optimal results, condition material between 18 and 24 °C (65 and 75 °F) before using.	
<b>Mix Ratio</b>	Start with 2.5 L (0.66 US gal) of potable water per bag. Do not exceed 3.5L (0.92 US gal)	
<b>Properties at 23°C (73°F) and 50% R.H.</b>		
<b>Initial set</b>	100 - 150 minutes	
<b>Compressive Strength ASTM C39</b>	<b>7 days</b>	21 MPa (3045 psi)
	<b>28 days</b>	28 MPa (4060 psi)

*Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.*

**HOW TO USE**

**Preparation** Existing concrete surfaces must be clean, exempt of any grease or dust and must be scarified or profiled in order to provide proper bond. Make sure ambient and product temperatures are between 7 °C (45 °F) and 35 °C (95 °F) for at least 48 hours prior to use. Surfaces and formworks must be saturated without ponding water before use.

**Mixing** Always use clean tools and mixing containers. Pour the full content of bag in a wheelbarrow, mixer or on a smooth and clean surface. Add 2.5 L (0.66 US gal.) of potable water per bag and mix until a uniform and homogeneous consistency is achieved. Add water to extend the mix if necessary, without exceeding 3.5 L (0.92 US gal.) per bag. Excess water reduces strength and durability of concrete.

**Application** Uniformly fill the formwork. Place and compact material at minimum thickness of 50 mm (2 in) while making sure to eliminate voids. This can be accomplished by hammering on the formwork sides, pounding concrete with a crow bar or a 2 x 4 stud and level the concrete surface with the appropriate tools.

**Finishing** Wait until concrete has reached its initial set (between 1 ½ hours and 2 ½ hours depending on temperature) before finishing. For a smooth surface, use a magnesium trowel. To achieve a textured surface finish, use a wood trowel followed by a broom drag. Use an iron wedge on the formwork perimeter to ease the form removal. Cut control joints at the same locations as the original slab (if needed) or spaced every 2 m (6.5 ft).

<b>Curing and Protection</b>	Curing is critical to achieve proper compressive strength and prevent concrete scaling. It is strongly advised to follow ACI 308 recommendations for cement concrete curing. Protect the concrete from rain during the first 6 hours following placement. After this delay, keep the concrete wet by covering the surface with wet burlap, a white polyethylene film or by misting the surface with water for 5 days. Strip formwork after 24 hours.
<b>Clean Up</b>	Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically. Wash soiled hands and skin thoroughly in warm soapy water or use Sika® Hand Cleaner towels.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>▪ Minimum application thickness : 50 mm (2 in)</li> <li>▪ <b>Important:</b> protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps and making the product not suitable for use.</li> </ul>
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY

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