

Code	Description	Size	Colour
01860	Gorilla Powercrete Repair Mortar	10 Kg	Grey

1. Description

Gorilla Powercrete Repair Mortar is a very fast setting, high early strength and high late strength repair mortar. Gorilla Powercrete Repair Mortar is designed to repair precast and in-situ concrete where high repair strength is required.

2. Characteristics

- Sets in 7 minutes
- Will Cure Under water
- High Repair Strength
- Hand mouldable

3. Technical Data

Base:	Powder
Colour:	Grey
Consistency:	Powder When Dry Paste when Mixed
Curing System:	Exothermal
Curing Rate:	Within 7 Minutes
Compressive Strength: (3 Hours)	20 MPA
Compressive Strength: (28 Days)	50 MPA
Code of Practice for Masonry Construction	Designed to Meet NZ4200:2001
Mixing Ratio:	200mls of clean water to 1 Kg of Dry Powercrete
Surface Preparation	Clean and without surface contaminants

4. Applications

- Skin Repair to Tilt Panels & Precast Concrete
- Repair Reinforced Concrete Pipes and Kerbing
- Filling holes
- Fixing floor edges, tanks, and concrete blocks.
- Suitable for repairs to damp surfaces

5. Packaging

Plastic bucket.

6. Shelf Life

18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.

7. Application Instructions

Surface preparation: Concrete: Ensure clean and free of surface barriers to adhesion. If required - acid etch, shot blast, grind clean and free from oil and dirt

Mixing instructions: Rotate pail end for end before using, as settling can occur. Measure 200mls of clean water to 1kg of Gorilla Powercrete Repair Mortar in a clean container.

Application Mix thoroughly; ensuring the water is mixed evenly through the product. If necessary, add small amounts of water to achieve the desired consistency. Once placed and finished, DO NOT REWORK.

For use as a **water plug or in underwater applications:** Mix with less water, and knead by hand to the consistency of putty. When the product gets very warm, plug the hole. Gorilla Powercrete Repair Mortar will "Flash" set. Pre wetting is not necessary but a damp surface will not affect performance. Powercrete can be finished to a feather edge.

Maximum application thickness is 100mm. It is not recommended to build up to this thickness in layers. Powercrete can be worked on (i.e., drilled, mechanical anchors fitted, etc) after one hour at an ambient 20°C, longer will be required in colder weather.

IMPORTANT:

Mix only what is needed to effect repairs, as this product sets in 7 minutes. Gorilla Powercrete Repair Mortar contains the correct levels of Plasticizer, adding extra Plasticizer may reduce the bonding strength of the mixture. Once product has been placed and finished off, do not rework as this may affect the final setting time. The surfaces where Powercrete is to be used should be clean, sound and free from dust, oil, grease and loose particles.

Soudal recommends preliminary compatibility tests on surfaces on which product has not been applied previously.

8. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.
- Avoid excessive skin contact, eye contact & swallowing
- Freshly mixed concrete or mortar may cause skin irritations including alkaline burning dermatitis
- In the event of contact with the skin or eyes, rinse thoroughly with water
- If swallowed, drink plenty of water and induce vomiting
- If irritation persists, seek medical advice
- Please refer to the MSDS for more detailed information.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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