

4.171 Gemcoat CR2:1-SB

chemical resistant coating

Gemcoat CR 2:1-SB is a two-part, solvent epoxy coating that can be applied by brush and roller. It is formulated as a chemical resistant lining for concrete, steel, and fiberglass secondary containment (bunds) exposed to splash and spillage of chemicals. It has resistance to most concentrated acids and alkalis, and many other commonly used chemicals, along with good resistance to elevated temperatures – consult with Cotec for suitability for use.

Three coats are recommended over the top of 4.155 Gemrez CR 1:1 chemical resistant resin.

Performance and Limitations

- To ensure maximum life of coating system chemical deposits must be washed off within 1 hour.
- Epoxy coatings may show some chalking and colour change over time. This is normal and will not affect performance
- 4.171 Gemcoat CR 2:1-SB is suitable for its intended use, when mixed and applied according to specification to a properly prepared substrate.
- This does not cover physical abuse or impact damage to the system, damage caused by movement of the substrate, faulty substrate, substrate contamination, failure to regularly maintain the system, or normal wear and tear.
- 4.171 Gemcoat CR 2:1-SB systems must be maintained properly to give best performance – refer to Cotec datasheet on Maintenance of Bund Coatings and Toppings.

Physical properties

| | |
|-------------------------|---|
| Coating type | Two component epoxy |
| Appearance | Resin – pigmented liquid, Hardener – clear liquid |
| Solids | 74% |
| Solvent | Toluene |
| Mix ratio | 2 part resin 1 part hardener |
| Pot life (@20°C) | 60 minutes |
| Coverage | 5 - 10 m ² /l |
| Cure hard | Overnight @20°C; recommend 48 hours return to service |

Surface preparation

All oil, grease, and other contaminants must be removed.

All surfaces must be free of dust or other contaminants before applying 4.155 Gemrez CR 1:1

- **Concrete**
 - Must have cured a minimum of 28 days. On new or previously painted concrete, grind, abrasive sweep blast, or scabble to give clean, sound substrate with a good key.
- **Steel**
 - Blast with a suitable abrasive to near white metal (SSPC 10/SA 2.5 standard). If this is not possible remove loose material by mechanical cleaning or high-pressure water blast until only light rust is left.
- **Fibreglass**
 - Abrade surface to give a good key and leave a clean, sound substrate with a good key.
- **Other surfaces** – consult with Cotec.
- All surfaces must be primed with 4.155 Gemrez CR 1:1

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Application

- Three coats of 4.171 Gemcoat CR 2:1-SB is recommended over the top of 4.155 Gemrez CR 1:1 chemical resistant resin.
- Add 2 parts hardener to 1 part base and thoroughly mix - a drill with a mixing blade is required.
- Apply by brush, or roller.
- Recoat within 24 hours.
- Allow 2 days minimum before putting into service – 7 days is preferred.

Safety precautions

Refer to the Safety Data Sheet for this product prior to use. Please ensure that they are familiar with all aspects concerning safe application of this product, including appropriate personal protective equipment (PPE). If you are unsure about any health and safety aspects of this product, do not use it.

END OF TDS

Coating Technologies Limited
PO Box 204102, Highbrook 2161, Auckland, New Zealand
Call us on +64 9 837 0897, visit us at www.cotec.co.nz or email us at technical@cotec.co.nz

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