

## PRODUCT CHARACTERISTICS

A high density, high temperature epoxy lining based on a blend of ceramic fillers and beads designed for very aggressive abrasive environments.

**Solvent-free** material which is easy to apply.

A seamless, repair and protective coating compound for long-term protection.

Especially formulated for fluid-flow equipment, hoppers, nozzles, chutes, vessels, pipe bends and deflector plates, etc.

Recommended to be used in conjunction with Epo-chem™ RE 500P (Primer) and Ceram-chem™ RU 500 (topcoat/sealer) for a complete repair system.

## PRODUCT DESCRIPTION

Three pack epoxy Novolac compound incorporating a blend of ceramic fillers and beads.

Product can be tailor-made with different sizes of beads.

This product is **not machinable**.

## PRODUCT INFORMATION

Colour:	Standard red and grey.
Volume solids:	100%
Mix ratio:	Mix part A (InD-cote resin) and part B (InD-cote hardener) and part C (ceramic filler) in proportionate weights as supplied.
Cure:	Catalyst induced cross-linking polymerisation.
Pot life:	60 mins @ 20°C
Touch dry:	3 - 6 hrs
Hard dry:	8 - 12 hrs
Full cure:	3 - 7 days (depending on temperature and other environmental factors)
Typical thickness range:	2 - 6mm
Temperature resistance:	Max: 150°C
Typical density:	2.45 ± 0.02
Theoretical coverage:	2.45 kg/m <sup>2</sup> @ 1mm (Allow for application losses, surface irregularities, etc).
Pack sizes:	1 and 5 kgs.

## POST CURING

Post curing will enhance the chemical, temperature and abrasion resistance of the system.

Use dry heat @ 70 - 80°C for minimum 4 hours.

Lower temperature will not be effective unless it is used for a much longer period.

Steam curing can be utilised only if the coating has been sufficiently cured/aged.

The most effective post curing is to achieve similar or higher temperature than working temperature of the vessel.

## APPLICATION DATA

Method:	Trowel and spatula.
Thinner:	<b>No thinning agents required.</b>
Cleaner:	S11A
Recoating interval:	Min: Touch dry. Max: 24 hrs.
Over-coating interval:	Can be over-coated when touch dry with any <b>solvent-free</b> system. Epoxy solvent-based systems should be applied after full cure.

## APPLICATION

### Mixing:

Mix part A and part B thoroughly before adding part C (ceramic filler).  
Mix components at ambient temperatures thoroughly to achieve an even consistency.  
Resin, hardener and ceramic filler are supplied in pre-weighed quantities in a range of pack sizes suitable for the particular application.  
It is important therefore that applicators use all of the materials as supplied when mixing to achieve a full cure.  
Part mixing is **not** recommended.

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## ENVIRONMENTAL CONDITIONS

Blasting or application should **NOT** be carried out when :-

Relative humidity is > 90%  
Air temperature < 5°C  
Substrate temperature < 3°C above dew point of surrounding air.

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## SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL to ensure that its products are handled and applied by professionally approved and skilled applicators.  
Application shall be carried out in accordance with instructions contained in this data sheet and referenced to CHEMCO INTERNATIONAL TECHNICAL SPECIFICATION MANUAL.  
CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

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## STORAGE

Store in cool, dry conditions (not less than 4°C or above 20°C).  
Keep away from direct heat source and sunlight.  
When not using the material, always replace the lid on the container.

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## SHELF LIFE

At least 24 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C.  
At temperatures above, refer to manufacturer for advice.

DISCLAIMER: The information contained herein is, to the best of our knowledge, accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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