

# Carboxane<sup>®</sup> 2000 - Modified Silane Finish

## Selection & Specification Data

<b>Generic Type</b>	2 Pack Modified Silane Multi-polymer
<b>Description &amp; use</b>	Carboxane 2000 is a high performance, new generation, multi-purpose finishing product, allowing reduced coating specification in corrosion protection. Also adding a new dimension to finishing over fire protection. Suitable for application in offshore markets and architectural structures.
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Long life performance</li> <li>▪ CDM/VOC compliant</li> <li>▪ Reduced application costs</li> <li>▪ Low VOC content, compliant to all current regulations.</li> <li>▪ Isocyanate free</li> <li>▪ Outstanding gloss/colour retention</li> </ul>
<b>Components</b>	2
<b>Colour</b>	BS4800** & RAL** & limited Metallic* (other colours by request)
<b>Finish</b>	Gloss
<b>Solids Content</b>	By Volume: 90%
<b>Primers</b>	Compatible with most primers or well adhering coatings
<b>Topcoat</b>	Not required.
<b>Dry Film Thickness (dft)</b>	125 µm recommended, in a single coat when applied by spray, two coats by brush/roller.
<b>Wet Film Thickness (wft)</b>	140 µm recommended.
<b>No. of coats</b>	1 - 2 (brush application may require second coat to achieve final dft)
<b>Theoretical Coverage Rate</b>	7.2 m <sup>2</sup> /l at 125 µm. Allow for loss in mixing and application
<b>VOC Values</b>	As supplied: 110 g/l (mixed)
<b>Application</b>	Spray/Brush/Roller
<b>Specific Gravity</b>	Pack A: 1.37 ± 0.03 (25°C). Depending on colour. Pack B: 1.01 ± 0.03 (25°C).
<b>Thinner</b>	Thinner No. 10
<b>Cleaner</b>	Thinner No. 2

- \* Metallic colours must be conventionally spray applied, do not brush or roller.
- \*\* Certain colours may require 2 coats of Carboxane 2000 for opacity. For external use 2 coats by brush are normally preferred, when spray application is not possible due to restriction of site working.

## Substrates & Surface Preparation

<b>General</b>	Surfaces must be properly cleaned. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. See Surface Cleaner 3.
<b>Steel</b>	Abrasive blast clean to SIS-Sa 2½ (SSPC-SP10) producing a 50-75 µm surface profile as determined by Keane Tator Surface Profile Comparator. Remove abrasive residues and dust from surface.
<b>Galvanised</b>	New and existing aged galvanising will require degreasing using Carboline Surface Cleaner 3.
<b>Concrete</b>	Allow concrete to fully cure and dry. Remove all contaminants or laitancy by degreasing or light abrasive blasting, fill blow holes and allow all surfaces to thoroughly dry.
<b>Aluminium</b>	Remove all oil, grease and other surface contaminants using Surface Cleaner 3 and lightly sweep blast or Sponge Jet®.
<b>Stainless Steel</b>	Remove all oil, grease and other surface contaminants using Surface Cleaner 3 and lightly sweep blast or Sponge Jet®.
<b>Existing Coatings</b>	Remove all loose material and abrade. Seal surfaces using Rustbond Penetrating Sealer, and allow to dry.
<b>Inorganic Zinc (IOZ)</b>	See product data sheet for overcoating periods, remove soluble salts and apply a mist coat of Carboxane 2000 prior to full coat.
<b>Nullfire System S Intumescent Fire Protection</b>	Ensure coating is fully dry and ready to accept topcoat application. If S602, S603, S605, S606 or S607 has been left to stand then remove all contamination of oil, dirt and grease prior to topcoating.

## Performance Data

Test Method	Results
Norsok	M-501. Rev. 4. - Cyclic test.
BS 476 Part 7	Blasted steel 1 coat 70 µm Carbozinc 11 1 coat 131 µm Carboxane 2000 Class 1 Spread of flame

Test reports and additional data available upon written request.