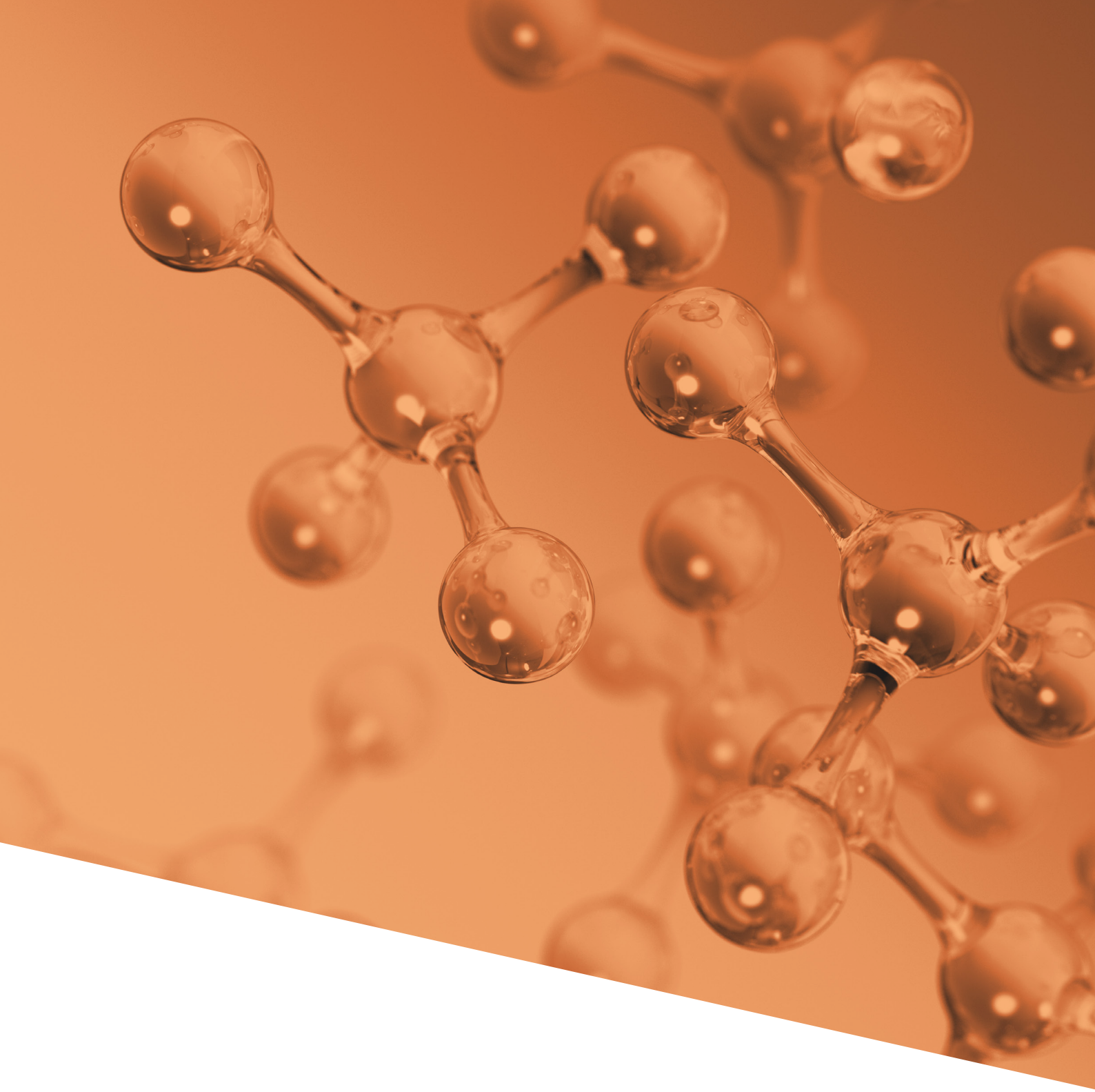

VECTROGARD® 3100

TIN-FREE CATHODIC EPOXY ELECTROCOAT

SHERWIN-WILLIAMS®

industrial.sherwin.eu

VECTROGARD® 3100

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Deliver complete coverage for your most complex products with our electrocoat technologies. Vectrogard 3100 is a tin-free cathodic epoxy primer specifically designed for heavy machinery and industrial markets. This primer is compatible for use with all standard substrates and pretreatment systems, including nano-conversion coatings. With exceptional edge coverage and high-end corrosion resistance, Vectrogard 3100 has been approved for global use by numerous OEM customers. Vectrogard 3100 provides proven cathodic epoxy protection to electrocoated parts in markets where tin catalysts are not acceptable. When you choose Sherwin-Williams electrocoat technologies, you receive cutting-edge coatings, as well as the service and support necessary for your success.

FEATURES AND BENEFITS:

- Tin and zinc catalyst free
- High edge protection
- Proven performance
- Excellent corrosion resistance
- Efficient and robust operations
- Excellent chemical resistance
- VOC and HAPs compliant

END USES:

- Heavy Equipment
- ACE (agricultural and construction equipment)
- Transportation & Wheels
- Military
- Electrical Equipment & Appliances
- Lawn & Garden
- Furniture & Fixtures
- General Industrial

PERFORMANCE DATA OVER COLD ROLLED STEEL

Pencil Hardness	ASTM D523	2H+
Crosshatch Adhesion	ASTM D3363	5B
Direct Impact	ASTM D2794	100 cm/1kg
Flexibility	ASTM D552	0 mm cracking
Salt Fog: 1,000 hours	ASTM B117	1-3 mm average creep from scribe (Iron phosphate with non-chrome seal) 0-2 mm average creep from scribe (Zinc phosphate with non-chrome seal)

APPLICATION DATA

Color	Standard primer colors
60° Gloss	Greater than 50
Dry Film Thickness	15-30 µm
Cure Schedule	40 - 20 min @ 165°C - 180°C
HAPs	Non-HAP coating
Heavy Metals	Lead, nickel, zinc, tin, and chrome-free
VOC	<0.03 kg/l
Storage	Keep from freezing. Store out of direct sunlight.

At Sherwin-Williams, we think about coatings differently, continuously seeking the perfect solution to help your products win over your customers. Whether you need the most rugged and protective coating, a technical expert to provide answers and hands-on support, consistently perfect color at just the right gloss, or a custom solution created just for you – we are here to help. We are Sherwin-Williams General Industrial Coatings, and we are obsessed with giving you the competitive edge.

Visit industrial.sherwin.eu or contact gi.emeai.marketing@sherwin.com

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