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# CenturyGuard™ Deck 220-D-215B HQR-SS Gray Deck Primer



“Underwriters Laboratories (UL) Recognized Component”

**Description:** 220-D-215B HQR-SS is a HAPs Free waterbased acrylic coil coating primer which provides corrosion protection to coil steel and subsequently formed structural steel decking. This product is specifically designed for use on all steel roof deck and floor deck units which have the Underwriters Laboratories “UL Classified” designation.

**Recommended Uses:** 220-D-215B HQR-SS has been evaluated by UL and has demonstrated successful results from fire resistance testing in accordance with UL 263 Standard for up to three (3) hours fire rating. This coating is VOC compliant and contains no Hazardous Air Pollutants (HAPs). This waterbased product has a Flash Point above 200°F and delivers less than 0.99 pounds of VOC per Solid Gallon as applied. This product is specifically designed for use on coil coating lines using cleaned preheated coil, infra-red heat curing, and cold water quench processing.

### Technical Data:

<b>Coating Type:</b>	Waterbased Acrylic	<b>Density:</b>	9.68 lbs/gal +/- 0.15
<b>Viscosity:</b>	32-36" #2 Sig. Zahn Cup	<b>Gloss:</b>	8-15 Gloss Units @ 60° angle
<b>Solids by weight:</b>	47.73 +/- 1%	<b>Solids by volume:</b>	38.96 +/-1%
<b>VOC (actual emissions):</b>	0.36 lbs/gal (43.03 g/L)	<b>VOC (minus water):</b>	0.83 lbs/gal (99.05 g/L)
<b>VOC (weight / solid volume):</b>	0.92 lbs/gal (110.44 g/L)	<b>HAP's:</b>	0.00 lbs/gal (None)
<b>Water Content by weight:</b>	48.56 +/- 1%	<b>Water Content by Volume:</b>	56.56 +/- 1%
<b>Adhesion:</b>	5B ASTM-D3359	<b>Mandrel Bend Flexibility:</b>	Passes 3/16" ASTM-D522
<b>Salt Spray Resistance:</b>	100+ hours ASTM-B117	<b>Pencil Hardness:</b>	HB – F ASTM-D3363
<b>Color Deference Range:</b>	DE 0.5 (Max) ASTM-E1347	<b>Impact:</b>	D – 40 / R – 80 NTO ASTM-D2794
<b>T Bend:</b>	4T / NTO ASTM-D4145	<b>Solvent Resistance:</b>	50 double rubs IPA

### Application Data:

<b>Mixing:</b>	Power mix material until uniform
<b>Substrate:</b>	CR / Galvanized Steel Coil (Gauge 24 – 18)
<b>Metal Surface Preparation:</b>	Pretreated (Chrome, Iron Phos, Chrome Free) and Heated (100-120°F)
<b>Application Method:</b>	No special handling procedures or application line changes required; standard coil coating procedures. Thin as required with water.
<b>Coating Thickness:</b>	0.3-0.5 MILS DFT. ASTM-D-1186
<b>Cure Schedule:</b>	5-10 seconds to 230°F-250°F PMT. For optimum formability, metal temp should be below 180°F before forming.

**Notes:** This is a waterbased product; protect from freezing. This product is available in 55-gallon drums, portable tote tanks, and bulk transport quantities. May be top coated with itself, latex paint, or solvent based alkyd paint. As with all good painting

practices, a small test patch is recommended before full scale painting begins. **220-D-215B HQR-SS** has excellent flow, leveling, and substrate wetting properties. Read and understand the MSDS before using this product.

**Made in the USA**



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**Disclaimer:** All information and statements contained in this Product Data Sheet are believed to be true and accurate and were obtained or generated from accurate and reliable sources. This information is intended as a guide to product use; since Century Industrial Coatings has no control over the transport, storage, handling use, or application of this product, it must disclaim responsibility for any unsatisfactory results. This product is intended for use by persons having appropriate, professional painting skills and painting experience.

Origin Date: 1-14-2009