TRANSFORMING STEEL: ProSTUD® Steel Framing with DiamondPlus® Coating.

Fully code-compliant. High performance. And with corrosion resistance beyond the standards. ClarkDietrich is not only elevating its benchmark product with an advanced EQ coating, but sharing information that highlights how innovation is present all along the way. Learn more at ClarkDietrichEQ-IQ.com.

1 SMART SOURCING
It all starts with procuring high-quality excess steel, which effectively keeps stud costs affordable for the construction industry.

Our smart sourcing results in the reduction of post-production waste. Meaning it can help contribute to earning LEED® credits. Rolled steel travels to specialized facilities to receive proprietary DiamondPlus EQ coating.

2 PRECISION COATING
Through a continuous, digitally controlled process, steel is unrolled, cleaned, uniformly coated, cured and rewrapped.

3 RIGOROUS TESTING
DiamondPlus-coated samples undergo regular, thorough testing in an International Accreditation Service (IAS) certified lab.

Scribe Testing (per ASTM B117)
DiamondPlus samples also outperform G40 steel in testing where a scribe cut is made into the base of the steel to measure the tendency of corrosion to “creep.”

Salt Fog Testing (per ASTM A1004 and B117)
Both accelerated and continuous, side-by-side salt fog testing prove that DiamondPlus meets code and surpasses the corrosion-resistance performance of G40 steel.

4 FRAMING CONVERSION
Once coated with DiamondPlus, rolls of steel are converted through a cold-formed process into ProSTUD Steel Framing System components.

5 CLEANING AND PRETREATING
Dirt, debris and oils completely removed.

Dried-in-Place Coating
Chemicals that enhance corrosion resistance applied.

Curing and Bonding
A chemical reaction permanently bonds the coating to the steel substrate.

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Salt Fog Testing (per ASTM A1004 and B117)
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6 PACKAGING
All units clearly labeled for code compliance and ease of identification.

Roll-former and other equipment transform slit rolls into studs and track.

Precision Forming
Roll-former and other equipment transform slit rolls into studs and track.

Punching
Punch-outs for plumbing and electrical factory-cut to save labor in the field.

This graphic was created by ClarkDietrich in support of our campaign to clear up confusion in the market regarding EQ coatings. As the leading manufacturer of cold-formed steel framing systems, we are committed to strengthening the industry with credible facts.

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