

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

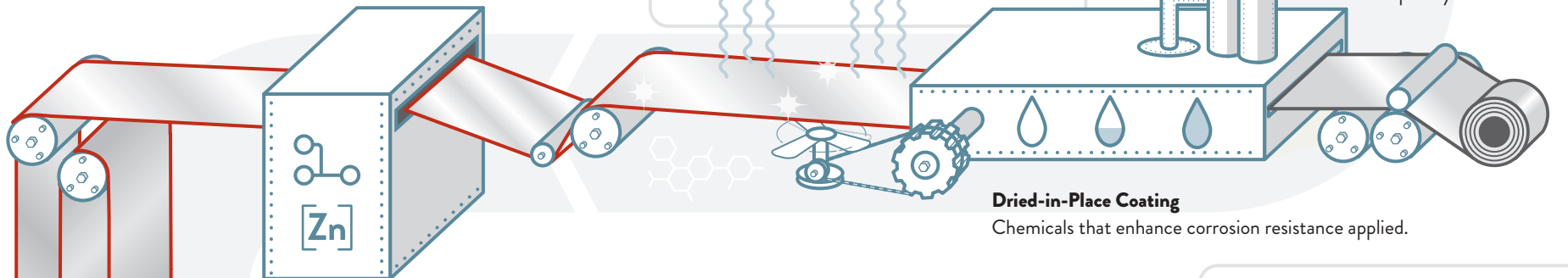
Through a continuous, digitally controlled process, steel is unrolled, cleaned, uniformly coated, cured and rewrapped.

Pre-Treat

Treatment improves adhesion and performance of top coat.

Cleaning and Pretreating

Dirt, debris and oils completely removed.



Dried-in-Place Coating

Chemicals that enhance corrosion resistance applied.

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."

3 RIGOROUS TESTING

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

DiamondPlus Coating

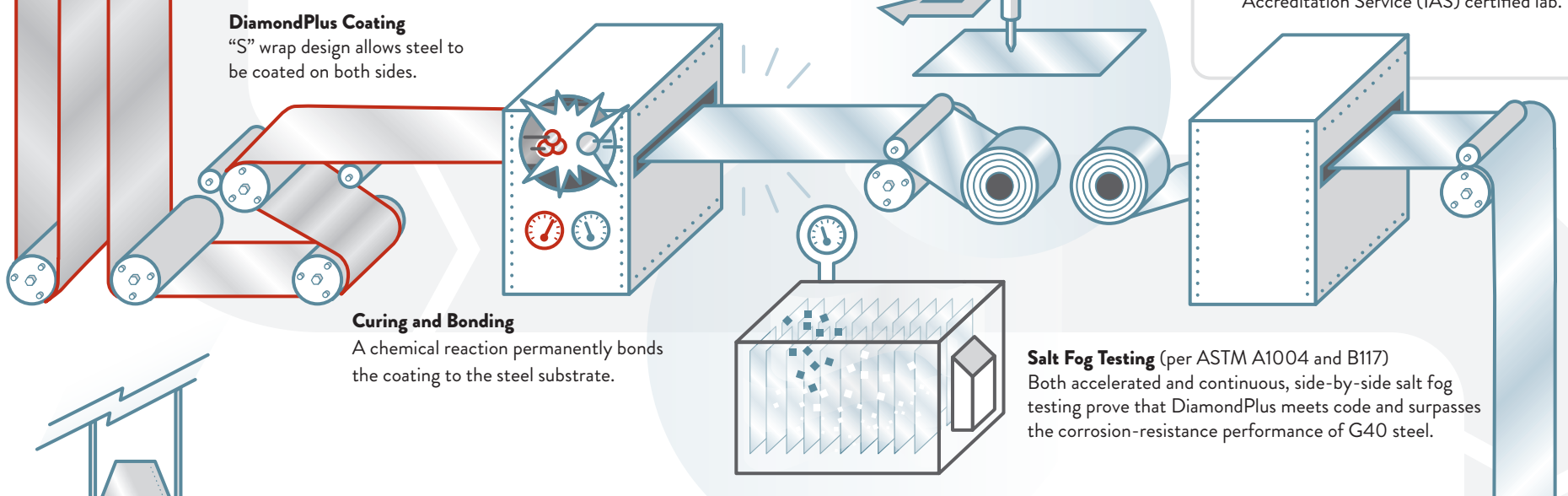
"S" wrap design allows steel to be coated on both sides.

Curing and Bonding

A chemical reaction permanently bonds the coating to the steel substrate.

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.

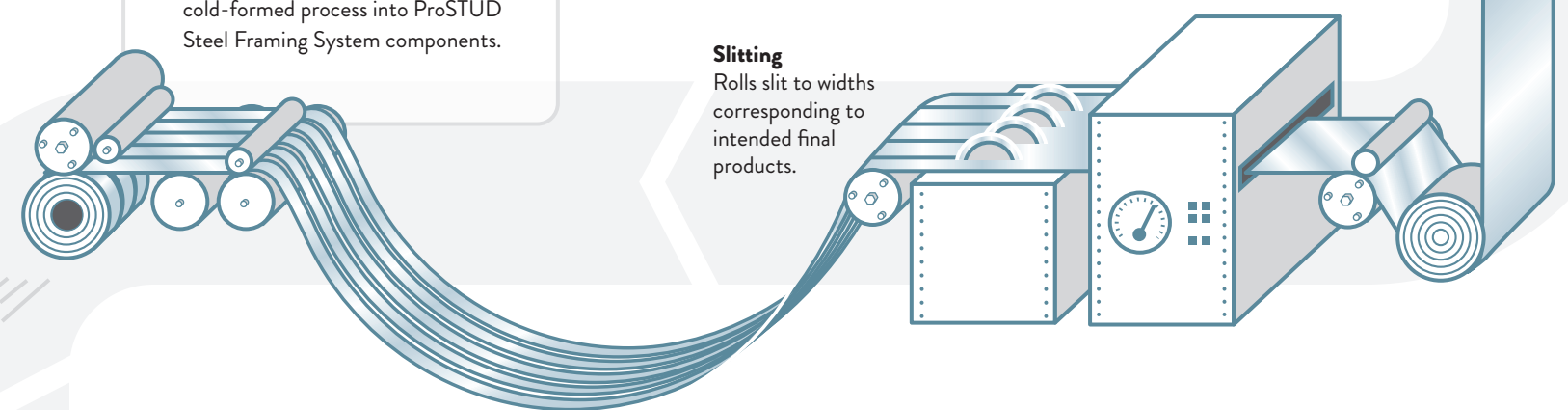


4 FRAMING CONVERSION

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

Slitting

Rolls slit to widths corresponding to intended final products.



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.



Packaging
All units clearly labeled for code compliance and ease of identification.

