

The World of Essential...



World Class Coatings and Chemistry

www.essind.com



Whether it's world class coatings
or custom-blended chemistries...

Innovation is ESSENTIAL.





Monomer shipment
direct to our Nevada
facility



New investments in our
Polyurethane Reactors and
Dispersion Drop Kettles



Acrylic Polymer Reactors



**Innovation
is Essential.**

The World of Essential...
is Powered by



Essential™
Polymers



The Spark of Innovation

Polymer Technologies

Essential Polymers offers a wide range of high performance polymers, polyurethanes and raw material technologies:

- **Green Technologies**

- n-MP-Free Urethane/Acrylic IPNs

- **Self Cross-Linking Technology**

- Urethane/Acrylic Self Cross-Linking Proprietary Technology
- Self Cross-Linking Acrylic Technology

- **Polyurethane Dispersions**

- **Specialty Formulated Products**

- Acrylic Restoration Coating for Gel Coats
- Metallic Ink Vehicle
- Blister Packaging Adhesive
- Water-Based Wood Varnish
- Concentrated Resilient Floor Coating

X-CoatTM
patented nano-zinc

NANO
technology



X-Coat™ Nano

Patented Nano-Zinc Technology



- Incorporates our patented nano-zinc technology for more thorough and denser cross-linking of finish
- Nano-zinc cross-linking provides superior:
 - Lay-down gloss
 - Gloss build
 - Durability
 - Mark resistance
 - Soil Resistance
 - Dry and recoat times
- Ammonia-free for dramatically reduced odor
- Ideal for limited maintenance programs, yet responds to daily burnishing, if desired
- Low emissions formula – meets California's new 1% VOC Regulations
- Fast-drying – 15 to 20 minutes under normal conditions
- Slip-resistant – UL-Classified

*And X-Coat Nano HS
88FF and 89FF (HS)*



X-Coat™ Nano

- Superb Gloss and Durability
- Quick Build
- Very Low Odor
- Fast Dry
- Rapid Recoat
- VOC-Compliant
- Black Mark Resistant
- Repels Soil
- Prevents Powdering
- Unique Cross-Linking System



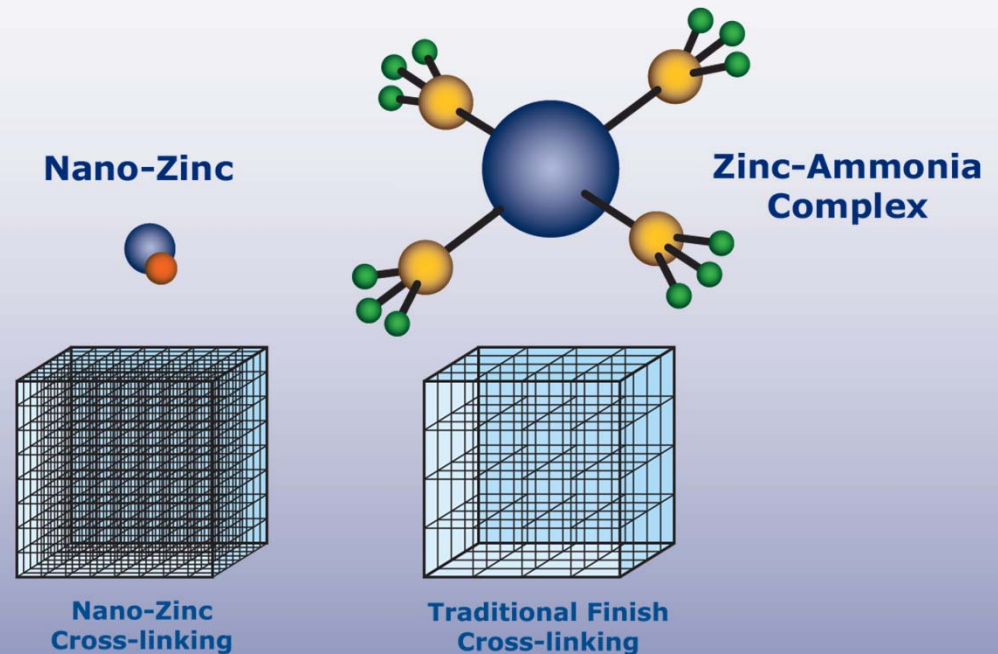
www.xcoatnano.com



Traditional Finish Cross-Linking vs. Nano-Zinc Cross-Linking

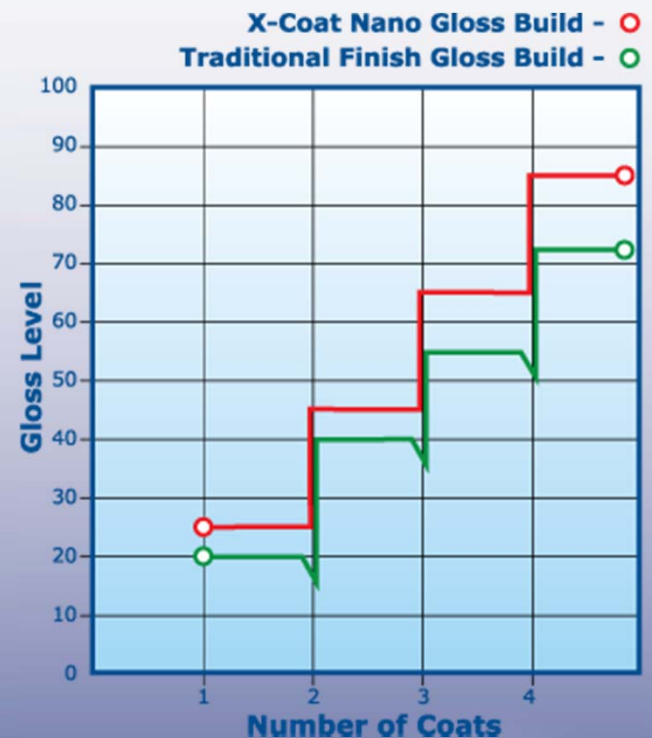
Traditional finishes are cross-linked with a zinc-ammonia complex.

X-Coat Nano is cross-linked without ammonia and as the word "nano" implies, these molecules are extremely small. Without the large ammonia molecules in the way, the polymer strands can cross-link very close together providing enhanced durability and blocking black marks and soil particles from penetrating the finish.



Traditional Gloss Build vs. X-Coat Nano Gloss Build

The ammonia found in traditional finishes acts like a built-in stripper (modern strippers are formulated with "odorless ammonia"), making it critical that each coat is completely dry before applying additional coats. The aggressive nature of ammonia slows gloss build, especially when coats are rushed or drying conditions are poor. Since X-Coat Nano is ammonia-free, it is able to build gloss faster than a traditional floor finish, as the chart shows.





www.essind.com
Patented Nano-Zinc Technology
X-Coat Nano
Extreme Performance Coating
Enduit Ultra Performant
Recubrimiento de Funcionamiento Extremo
88FF
1 GALLON
3.8 LITERS
ESSENTIAL INDUSTRIES

HOLD
95
HORIBA
ON CAL HOLD
OFF 20 60
Gloss Checker IO-331

X-Coat™
patented nano-zinc
NANO
technology

The Nano System

- Blue Concentrate
- Neutral Cleaner Plus
- DFT™ Restorer
- Xlerate™ Stripper





“Essential’s X-Coat Nano is the ultimate floor finish and has made all other products pale in comparison. The dry time between coats is second to none; the shine makes you feel as if you are on a skating rink. We have had nothing but positive feedback from our customers who have received this floor finish saying it looks amazing. Our special service manager and his team love working with this product.

I would recommend X-Coat Nano to anyone in the industry in search for a floor finish they can rely on for the greatest results and the happiest customers.”

Matthew Crawley, Representative
Provost Building Services, Inc.
Golden Valley, MN



“Goes on smooth with excellent shine.
Love the 20 minute dry time between coats
and low odor. It speeds up our production.”

Ken Ungerman, Representative
St. Richard Parish School - St. Louis, MO

X-Coat[™]
patented nano-zinc

NANO
technology





"Excellent lay down gloss right off the mop. Smoothness and leveling is second to none. Schools in our area absolutely love this finish."

David Blundy - Sunrise Supply



“I use the Nano HS on all the Red Robin Restaurants. I love the gloss I get and how fast it dries. It saves me labor on the dry time. I'm able to go longer between recoats since I have used the Essential Nano HS floor finish. I wouldn't use anything else. I highly recommend the Nano HS It's the best floor finish I have ever used.”

Luis Oros - LD's Janitorial

X-Coat™
patented nano-zinc

NANO
technology





“I really like what I see with this new finish. It goes down easily, dries in half the time of other finishes and has a very high gloss. I was able to put down half as many coats as with other products saving me time and money.”

Jim Gordon, Representative
Clinton Unit 15 School District
Clinton, IL



X-Coat™ Nano

To learn more about the chemistry behind X-Coat Nano, watch this informative video:

[X-Coat Nano Video](#)

Or go to:

www.xcoatnano.com

