nox-crete ®

chemical solutions to concrete problems

SAFE ESD FLOORS
ENGINEERED FOR MISSION-CRITICAL FLOORS

Static Dissipative Floors Built for Data Centers

FINISHING AIDS/ EVAPORATION REDUCERS

CURING/ CURING AND SEALING COMPOUNDS

DENSIFIERS/ HARDENERS

CONCRETE POLISHES/ STAIN PROTECTORS

STATIC JOINT FILLERS

Data centers demand more than just strong concrete floors—they require surfaces engineered for electrostatic discharge (ESD) protection, high durability, and long-term performance.

Nox-Crete delivers a complete, multi-step concrete floor system compatible with modern Type 1L cement and low-carbon concrete mixes. Each product in the system is designed to perform in the demanding conditions of data centers, clean rooms, electronics manufacturing, and other mission-critical facilities, ensuring reliable results from the first pour to the final finish.

THE NOX-CRETE MULTI-STEP PROCESS FOR DATA CENTERS

1. **Finishing Aids & Evaporation Reducers:** Products like Stage 1 and Monofilm extend workability, reduce surface crusting, and help to ensure a smooth, defect-free finish.

2. **Concrete Curing Compounds:** Ensure concrete reaches maximum strength and durability with a membrane forming and dissipating curing compound like Res Cure DH 100.

3. **Concrete Cure and Sealers:** Cure and seal concrete for dust control and stain protection with our ESD formulated Cure & Seal 250E ESD.

4. **Densifiers & Hardeners:** Duro-Nox densifiers penetrate deep to increase density, abrasion resistance, and longevity, ensuring durable floors for heavy equipment. Treated floors comply with ASTM F150-06 standards for conductive and static dissipative flooring. Versions available for use with low-carbon concrete.

5. **Polishes & Maintenance Systems:** Duro-Polish Plus and Duro-Guard deliver excellent stain resistance and easy cleaning—perfect for facilities where uptime is critical. Duro-Polish Plus provides the additional benefit of enhanced surface gloss.

6. **Joint Filler:** Dynaflex JF-85 is engineered to withstand heavy, repetitive loads without deflection, protecting static joint edges from cracking and spalling.

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Compatibility from Start to Finish with Nox-Crete

Evaporation Reducers & Finishing Aids

MonoFilm
Moisture evaporation reducer that creates a monomolecular layer that reduces concrete surface moisture evaporation up to 80% in wind and 40% in sunlight.

Stage 1
Applied during placement and finishing, **STAGE 1** reacts with calcium hydroxide to form calcium silicate hydrate gels that fill surface pores, reduce moisture loss, and help finishers close the surface, providing up to 45 minutes of extra working time.

Concrete Curing and Curing and Sealing Compounds

Cure & Seal 250E ESD and Res-Cure DH 100
Dependable curing solutions for new concrete. **Cure & Seal 250E ESD** is a water-based cure and seal that cures, seals, and dustproofs while protecting sensitive electronic equipment from static buildup. **Res-Cure DH 100** is a high-performance, dissipating resin cure free of waxes, paraffins, gums, and oils.

Floor Hardeners/Densifiers

Duro-Nox and Duro-Nox HSC
Penetrating concrete densifiers that harden and strengthen floors for long-lasting durability. Both products create dense, dust-free, and abrasion-resistant surfaces and are well suited for heavy-duty applications.

Polish & Stain Protection

Duro-Polish Plus and Duro-Guard
Duro-Polish Plus is a high-performance polishing treatment that enhances surface gloss while providing long-lasting stain protection. **Duro-Guard** provides stain protection without the gloss.

Joint Protection

DynaFlex JF-85
Fast-setting, tough, semi-rigid, two component, 100% solids, polyurea, industrial concrete joint filler with a Shore A Hardness of 85.

Nox-Crete products are designed as a fully compatible system—from finishing aids and curing compounds to densifiers, polishes, and ESD sealers. This start-to-finish compatibility ensures consistent results, simplified application, and reliable protection for mission-critical environments like data centers.

ELECTROSTATIC DISCHARGE
ESD
FLOORING

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