



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet

CORRO-POLYTHANE CLEAR (Ref. No. 190)

Product Description

- Single Component 100% Solids, Aliphatic Polyurethane.
- Moisture-cured
- Odorless
- Used for many Epoxy Top Coats
- Used on Concrete Flooring

Special Attributes

- UV Stable, will not Yellow
- No VOC ($\leq 1\text{g/L}$)
- High Hardness
- High Compression Strength
- Excellent Chemical Resistance
- Indoor and Outdoor Use
- Excellent Abrasion & Wear Resistance
- Can Withstand Acids, Automotive Fluids, Anti-freeze, Oils and Organic Solvents
- Low Viscosity
- High Gloss / Matte Finish Available
- Solvent Free
- Scratch Resistant
- Greatly enhances acid-stained concrete
- Better abrasion resistance than Polyaspartics & Solvent-Based Urethanes

Colors

Clear (Matte or Glossy)

Common Uses

- Food Processing Plants
- Breweries and Distilleries
- Bottling Plants
- Warehouses
- Hospitals and Laboratories
- Restrooms and Locker Rooms
- Chemical Plants
- Automotive Repair Areas
- Fire and Police Stations
- As a Sealer over Acid Stained Floors
- Outdoor Logos / Decorative Concrete

Mixing and Application

Corro-PolyThane can be applied direct to dry concrete, acid-stained concrete or over existing coatings. **If applying over existing 100% Solids-Based coatings the surface should be sanded** then cleaned with acetone, xylene or lacquer thinner. Allow to thoroughly dry before application. Apply with a 3/16" or 1/4" non-shedding nap roller

Packaging

Corro-PolyThane is packaged in one, two and five gallon containers.

Coverage

Up to 400 SF @ 3 Mils / Gallon

Safety

As with all polyurethanes, good hygienic habits must be observed and the wearing of protective clothing, masks and gloves is advised.

Clean-up

Clean with Acetone, MEK or Lacquer Thinner

Set-Times

Tack-free – 9 hours

Light Traffic – 24 hours (dependant on humidity)

Heavy Traffic – 48 hours

Full Chemical Cure – 5 days

Technical Assistance

If you have any questions regarding this product, please call 1-800/298-7637 for further information.

ASTM Testing		
ASTM	PHYSICAL PROPERTY	Results
D-523	60 Degree Gloss	95+
D-3363	Pencil Hardness	4H+
D-2794	Impact Resistance *Direct and Indirect	Passes 160 in.lb.
D4060-14	Taber Abrasion *CS17 Wheel, 1 Kg, 1000 cycles	9 mg loss
D2370-98(10)	Tensile Strength	3427 psi
D2370-98(10)0	Elongation	40.0%
D4541	Adhesion	490 psi
D2047	Coefficient of Friction	>0.6

Chemical Resistance			
FS=Frequent Spillage, OS=Occasional Spillage (remove within 2 hrs), NR=Not Recommended			
Motor Oil	FS	25% Sulfuric Acid	FS
Gasoline	FS	25% Acetic Acid	FS
Diesel Fuel	FS	10% Nitric Acid	OS
Brake Fluid	FS	85% Phosphoric Acid	OS
Anti-Freeze	FS	10% Hydrogen Peroxide	FS
Hydraulic Fluid	FS	25% Hydrochloric Acid	FS
Brake Cleaner	FS	Mustard	FS
IPA	FS	Ketchup	FS
Acetone	FS	Red Wine	FS
MEK	FS	Urine	FS
Xylene	FS	Blood	FS
Aniline	FS	Vinegar	FS
Skydrol	FS	Iodine	FS
Jet Fuel	FS	Household Bleach	FS
Salt Water	FS	Alcohol	FS

WARRANTY

The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerable uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

WARRANTY - All products manufactured by us are warranted to be first class material and free from defects in material and workmanship.

Liability under this warranty is limited to the net purchase price of any such products proven defective, or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims hereunder on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY OF ANY OF OUR PRODUCTS FOR ANY PARTICULAR USE, AND WE SHALL NOT BE SUBJECT TO LIABILITY FROM ANY DAMAGES RESULTING FROM THEIR USE IN OPERATIONS NOT UNDER OUR DIRECT CONTROL.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NO REPRESENTATIVE OF OURS OR ANY OTHER PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS.

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