



FLOOR COATING AND FINISHING MATERIAL  
AS TO SLIP RESISTANCE ONLY  
17SU

Maintenance Solutions

# X-Cel Plus

High Performance  
Extended Wear  
Finish

For Use On:

- Vinyl Tile
- Vinyl Asbestos
- Asphalt Tile
- Linoleum
- Rubber Tile
- Terrazzo
- Sealed Wood
- Quarry Tile

**DESCRIPTION**

A fast drying ultra durable floor finish with exceptional buffability. Tests on high traffic floor produce wear levels dramatically superior to conventional floor polishes on the market today. This unique product is ready for traffic immediately after application without burnishing. After weeks of wear it will snap back to its original beauty with the aid of a spray buff or mop-on restorer.

**DIRECTIONS**

**PREPARATION:** If stripping is necessary, use a high quality stripper and follow directions accordingly. If floor is in good condition and stripping is not necessary; sweep up excess dirt and dust and then clean with a good quality cleaner to remove dirt and oils. Follow with a thorough rinsing and allow to dry completely.

**FINISHING:** Spread a liberal coat of finish evenly across the floor with a clean mop or applicator. Allow each coat to dry at least 30 minutes before applying the next coat. Two or three coats are desired initially, depending on the condition of the floor and gloss desired.

**MAINTENANCE:** The floor may be maintained using a quality floor cleaner and damp mopping regularly. Spray buffing or mop-on restoring may also be done after sweeping up loose dirt and dust. Follow directions for each product accordingly.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and Federal regulations.



**PRODUCT SPECIFICATIONS**

<b>Type:</b>	Highly crosslinked acrylic	<b>Buffability:</b>	Spray buff or restorer
<b>Non-volatile solids:</b>	20.0±0.5%	<b>Removability:</b>	With instant type strippers
<b>Color:</b>	Milky white	<b>Detergent Resistance:</b>	Excellent
<b>Odor:</b>	Mild	<b>Waterspot Resistance:</b>	Excellent
<b>pH:</b>	8.5 - 9.0	<b>Heel Mark Resistance:</b>	Excellent
<b>Dry/Recoat Time:</b>	45 minutes min.	<b>VOC Content:</b>	0.35 lbs./gal.
<b>Slip Resistance:</b>	.5 min. by ASTM D2047	<b>Storage/Stability:</b>	2 years
<b>Gloss:</b>	90+ specular	<b>Freeze/Thaw Stability:</b>	Keep from freezing
<b>Leveling:</b>	Excellent	<b>Weight per Gallon:</b>	8.62 lbs./gal.
		<b>Coverage:</b>	2000-2500 ft <sup>2</sup> per gal.

Floor Finishes & Waxes

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

<b>Manufacturer's Name:</b> Misco Products Corporation <b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605 <b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Product Name:</b> X-Cel Plus <b>Generic Name:</b> Ultra High Wear Floor Finish <b>Chemical Family:</b> Acrylic Wax Blend <b>Formula:</b> Proprietary
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**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Acrylic Copolymer Dispersion	63744-68-3	45 to 50			
Resin Solution	65405-63-2	5 to 10			
Polyethylene Wax	68441-17-8	5 to 10			
Tributoxy Ethyl Phosphate	78-51-3	0 to 5			
Diethylene Glycol Monomethyl Ether	111-77-3	0 to 5			

**SECTION 3-PHYSICAL DATA**

<b>Boiling Point (°F):</b> 212 F.	<b>Specific Gravity:</b> 1.035
<b>Vapor Pressure:</b> 20mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 75+	<b>pH:</b> 8.5-9.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Thin milky liquid with characteristic odor.	

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used):</b> N/A	<b>Lower Explosion Limit:</b> N/A
<b>Upper Explosion Limit:</b> N/A	<b>Extinguishing Media:</b> N/A
<b>Special Firefighting Procedures:</b> Non Flammable	
<b>Unusual Fire and Explosion Hazards:</b> N/A	

**SECTION 5-REACTIVITY DATA**

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Will not occur.	<b>Incompatibility (Materials to Avoid):</b> None

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floor. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Prolonged or repeated contact may cause dermatitis.  
**Eyes:** Eye irritant. May cause redness or swelling.  
**Inhalation:** Vapors may cause headache, dizziness, nausea.  
**Ingestion:** May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

**First Aid Procedures:**  
**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention.  
**Inhalation:** Remove victim to fresh air and monitor.  
**Ingestion:** Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Use in well-ventilated area.  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Chemical resistant rubber or neoprene.  
**Eye Protection:** Safety glasses or chemical splash goggles  
**Other Protective Equipment:** Protective foot wear (rubber boots) should be worn when using product on floor.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

**SECTION 10-REGULATORY INFORMATION**

<b>SARA Title III - Section 311/312 -Hazard Categories:</b>	<b>Shipping Information:</b>	<b>HMIS Hazardous Materials Identification System</b>
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Liquid Floor Wax	<b>Health</b>   1
No - Sudden Release of Pressure Hazard		<b>Flammability</b>   0
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Liquid Floor Wax	<b>Reactivity</b>   0
Yes - Immediate (acute) Health Hazard		<b>Personal Protection</b>   A
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Liquid Floor Wax	

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product