

# MIPROTHANE-WBC

## WATER BASE POLYURATHENE COATING (PIGMENTED/CLEAR) FOR FLOOR & WALL



### **Introduction**

Two component (2K) aliphatic polyurethane coatings set the quality standard for high performance floor coatings. Now, these high performance 2k polyurethane coatings can also be delivered as water-borne system. Even for wall paints this new water-borne polyurethane quality is now available. Thus, it is possible to achieve both high performance and protection of environment all through waterborne 2k polyurethane coatings technology.

### **Key features & benefits**

- ✓ Aliphatic system – Weather/ UV stable
- ✓ Low viscosity hydrophilic polyisocyanate – Easy hand mixing
- ✓ Medium hydrophilic film – Excellent resistant to dirt pick-up
- ✓ Cross linking – Easy to clean/ chemical & Abrasion resistance
- ✓ Medium cross linking destiny – Balanced breath ability
- ✓ Water-borne system – Low VOC/ Low odor
- ✓ Polyurethane structure – Flexibility (even at low temperature)

### **Potential Application Areas**

- Exterior walls which need easy-to-clean features
- Clear topcoat for Stucco & stone paint
- Clear coat for stone cladding
- Interior wall for clean rooms, Operation Theater, hospital, pharmaceutical, electronic plant, food processing plant, etc.
- Wall & ceiling of kitchens & restrooms
- Topcoat of floor coatings (PU & Epoxy)

### **TECHNICAL DATA**

Weight/Volume Solids mixed coating (%)	~54.4/44.8 (Approx.)
TVOC (g/l) calculated (*) * excluding water	~20
Pendulum hardness DIN EN ISO 1522 AFTER 7 days curing @ 23° c 120um wet film thickness on glass	~92s
Pencil hardness (gouge) ISO 15184:1998 after 7 days curing @ 23° C	>=2H
Gloss (60°/85°) % ISO 2813:1978 after 1 day curing @ 23° C & 50% R.H. 23+ um dry film thickness on glass	4.5/8.9
Impact (Kg.cm) ASTM 2794 after 7 days curing @ 23° C & 50% R.H. 23+ um dry film thickness on tin-steel	>=50
Bend (mm) ISO 1519 after 7 days curing @ 23° C & 50% R.H. 23+ um dry film thickness on tin-steel	<=1
Abrasion ASTM D 4060 CS 10 abrading wheel/10 N load, 1000 cycles Taber abrader 7 days curing @ 23° C & 50% R.H.	~50mg
Alcohol (100%) double rub, 350g load (Cycles) 120um wet film thickness on glass, 7 days curing @ 23° C & 50% R.H.	>200
MEK double rub, 350g load (Cycles) 120um wet film thickness on glass, 7 days curing @ 23° C & 50% R.H.	>200

**SURFACE PREPARATION** : Surface should be free of dust and loose particles. It should be thoroughly abraded by a wire brush and loose particles should be removed by washing or air blown. The surface should be free of any oil or grease.

**SPECIAL INSTRUCTION** : Stir the contents of Part-A thoroughly to disperse settled material if any.

**MIXING**: Mix thoroughly part A & B in ratio as specified to achieve uniform color to apply.

**COVERAGE**: Coverage depends upon the nature of the surface to be applied. But an average, smooth surface will give approx. 6 to 7 Sq.Met. per coat per kg.

**SAFETY** : Non hazardous. If ingested, seek medical help immediately.

**PACKING**: 5+1=6 Kgs, 25+5=30 Kgs.

**NOTE**: All information is given in good faith based on the results gained from experience and tests. However all recommendations or suggestions are made without guarantee since we do not have any control on the site conditions and its uses.

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