



**TRAFFICABLE  
MEMBRANE**

# GEOFORCE FP

**TRAFFICABLE + WATERPROOFING**

FLOORING SYSTEM POLYURETHANE

## GEOFORCE FP

Is a monolithic flooring system recommended for use on factories, store house, parking decks offices and laboratories. This system has good resistance to wheeled traffic and acids, alkalis, grease and other industrial chemicals.

## USES

General Office, Hospital, Classroom, Corridor, Library, Factory Floor, Health Club, Roller Skating Rink, Parking Area, Jogging Track.

## CHARACTERISTICS

Good durability and beautiful appearance due to a seamless structure.

- Excellent in chemical resistance, abrasion resistance and impact resistance.
- Freely colored.
- Crack-bridging
- Slip resistance
- Weather stability and colorfastness

## EXECUTION METHOD

### a. SUBSTRATE PREPARATION

1. All surface must be structurally sound, clean, dry, and free from oil, grease, curing compound or other contamination.
2. Loose particles should be removed by abrasion or high pressure water cleaning (Graco G-Force 3030DD).

### b. APPLICATION

1. Mix the two components with the fixed ratio in around bottom tub.
2. Apply GeoFORCE FP by roller, notched trowel or brush.

## PRECAUTIONS

- Do not apply materials when the temperature is less than 0°C.
- Avoid breathe of vapors and contact of materials with skin or eyes.
- Keep products away from heat, sparks and flames
- Do not use sparks producing equipment during application

	Part A	Part B
Appearance	Light Yellowish Liquid	Colored Viscous Liquid
Viscosity (25°C, mPa.s)	3,500~5,500	2,000~6,000
Mixing Sp. Gr. (D <sub>4</sub> <sup>20</sup> )	1.05±0.05	1.35±0.05
Mixing Ratio (wt.)	1	1
Pot life (min, 25°C)	30~70	
Curing Life (25°C/hr)	24±5	
Hardness (Shore A)	92±5	
Tensile Strength (N/mm <sup>2</sup> )	≥ 7.8	
Tear Strength(N/mm)	≥ 19.6	
Elongation (%)	≥ 100	
Abrasion Loss (g)	≤ 0.2	
Restitution Elasticity (%)	35±5	

TEST ITEM	TEST METHOD	VALUE	
<b>Chemical Resistance ((23±2)°C, 336 h, water)</b>	<b>ASTM C957/C957M-10</b>	84%	
-Tensile Retention			
<b>Chemical Resistance ((23±2)°C, 336 h, Ethylene Glycol)</b>	<b>ASTM C957/C957M-10</b>	97%	
-Tensile Retention			
<b>Chemical Resistance ((23±2)°C, 336 h, Mineral Spirits)</b>	<b>ASTM C957/C957M-10</b>	52%	
-Tensile Retention			
<b>Abrasion Resistance</b>	<b>ASTM C957/C957M-10</b>	37 mg	
<b>Weathering Resistance (500 h)</b>	<b>ASTM C957/C957M-10</b>	94%	
- Recovery from Elongation			
-Tensile Retention			116%
-Elongation Retention			95%
<b>VOC content</b>	<b>ISO 11890-2:2006</b>	7.372g/L	

