

# Wheel Selection

## FLOOR SURFACES

### Wheel Selection Guide

WHEEL TYPE	CAPACITY (LBS EACH)	TEMPERATURE RANGE* (FAHRENHEIT)	FLOOR SURFACES										
			CARPET	BRICK	CONCRETE	LINOLEUM	ASPHALT	TERRAZZO	WOOD	SMOOTH STEEL	RIBBED STEEL	TILE	
Performa Rubber®	60 → 1700	-45° to +180° <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma®	400 → 600	-45° to +180° <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma® LT	400 → 500	-45° to +180° <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma® HD	600 → 900	-45° to +180° <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Rubber	400 → 1140	-45° to +160°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Triumph®	900 → 1200	-40° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Conquest™	800 → 1500	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Polyurethane	700 → 3500	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurethane HI-TECH®	100 → 1700	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Endura®	1000 → 1200	-45° to +230°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Nylon	1000 → 1500	-45° to +180°	✓	✓	✓					✓	✓		
Commander HD	2160 → 7200	-30° to +220°	✓	✓	✓					✓	✓		
Maxim®	600 → 1400	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ThermoTECH®	250	-45° to +525° <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermo®	300 → 1100	-70° to +525° <sup>3</sup>	✓	✓	✓					✓	✓		
Polyolefin	75 → 900	-45° to +180°	✓	✓	✓					✓	✓		
Phenolic	300 → 3500	-45° to +180°	✓	✓	✓				✓	✓			
Cast Iron	200 → 3000	-45° to +500°			✓					✓			
Forged Steel	1400 → 4500	-45° to +500°			✓					✓			
V-Groove	800 → 6000	-45° to +500°			✓					✓			

<sup>1</sup> 180° intermittent service; 120° continuous service  
<sup>2</sup> 525° intermittent service; 490° continuous service  
<sup>3</sup> 525° intermittent service; 480° continuous service

\*See Wheel Section (pages 64-95) for information regarding higher operating temperature ranges.

### Performa Chemical Chart

Substance	Rating	Substance	Rating	Substance	Rating	Substance	Rating
<b>Organics &amp; Solvents</b>		Methyl ethyl ketone	F	Acetic, 75%	G	<b>Alkalies</b>	
Acetone	G	Oakite (floor cleaner)	E	Acetic, glacial	G	Tartaric	F
Alcohol, butyl	G	Orange	X	Boric	G	Ammonium hydroxide	
Alcohol, ethyl	G	Naptha	F	Butyric	G	G	
Alcohol, methyl	G	Nitrobenzene	X	Chromic	F	Calcium hydroxide	G
Aniline	G	Phenol	X	Citric	G	Potassium hydroxide	G
Benzene	X	Toluene	X	Fluoboric	G	Sodium hydroxide	G
Bravo (wax stripper diluted)	E	Trichloroethylene	X	Hydrobromic, 25%	G	<b>Acids</b>	
Carbon disulfide	X	Varsol	X	Hydrochloric, 10%	G	Acid salts	G-F
Carbon tetrachloride	X	Vestalene (detergent diluted)	E	Hydrofluoric	F	Alkaline salts	G
Chlorobenzene	X	Urine	E	Lactic	F	Neutral salts	G
Chloroform	X	<b>Gases</b>		Nitric, 5%	G	Miscellaneous salts:	
Colson 45 lubricant	G	Carbon dioxide	G	Nitric, 65%	X	Potassium dichromate	G
Enclave SS-2 (parts cleaner)	X	Carbon monoxide	G	Oleic	G	Potassium permanganate	G
Ethyl acetate	F	Chlorine, wet	F	Oleum	X	Salt water	G
Ethylene chloride	G	Chlorine, dry	F	Oxalic	G	Sodium cyanide	G
Ethylene dichloride	F	Hydrogen sulfide	G	Phosphoric, 25%	G	Sodium ferricyanide	G
Ethyl ether	G	Sulfur dioxide, wet	F	Phosphoric, 85%	G	Sodium hypochlorite	G
Formaldehyde, 37%	G	Sulfur dioxide, dry	F	Sulfuric, 10%	G		
Gasoline	X	<b>Acids</b>		Sulfuric, 78%	F		
Heptane	X	Acetic, 10-50%	G	Tannic	G		
Methylene chloride	X						

E=Excellent G=Good F=Fair X=Unacceptable

#### IMPORTANT NOTICE • CHEMICAL RESISTANCE CHART GUIDELINES

This chart lists an extensive range of chemicals, solvents and gases. Examine the listings in this chart to determine if your application is considered compatible with Performa wheels. Ratings are at 72°F. Concentrations of aqueous solutions

are saturated except where noted. Information in this chart is based on laboratory tests and results may vary in actual caster applications. Field testing is recommended to confirm compatibility with your particular application. For information on the compatibility of other fluids and chemicals, please contact the factory.