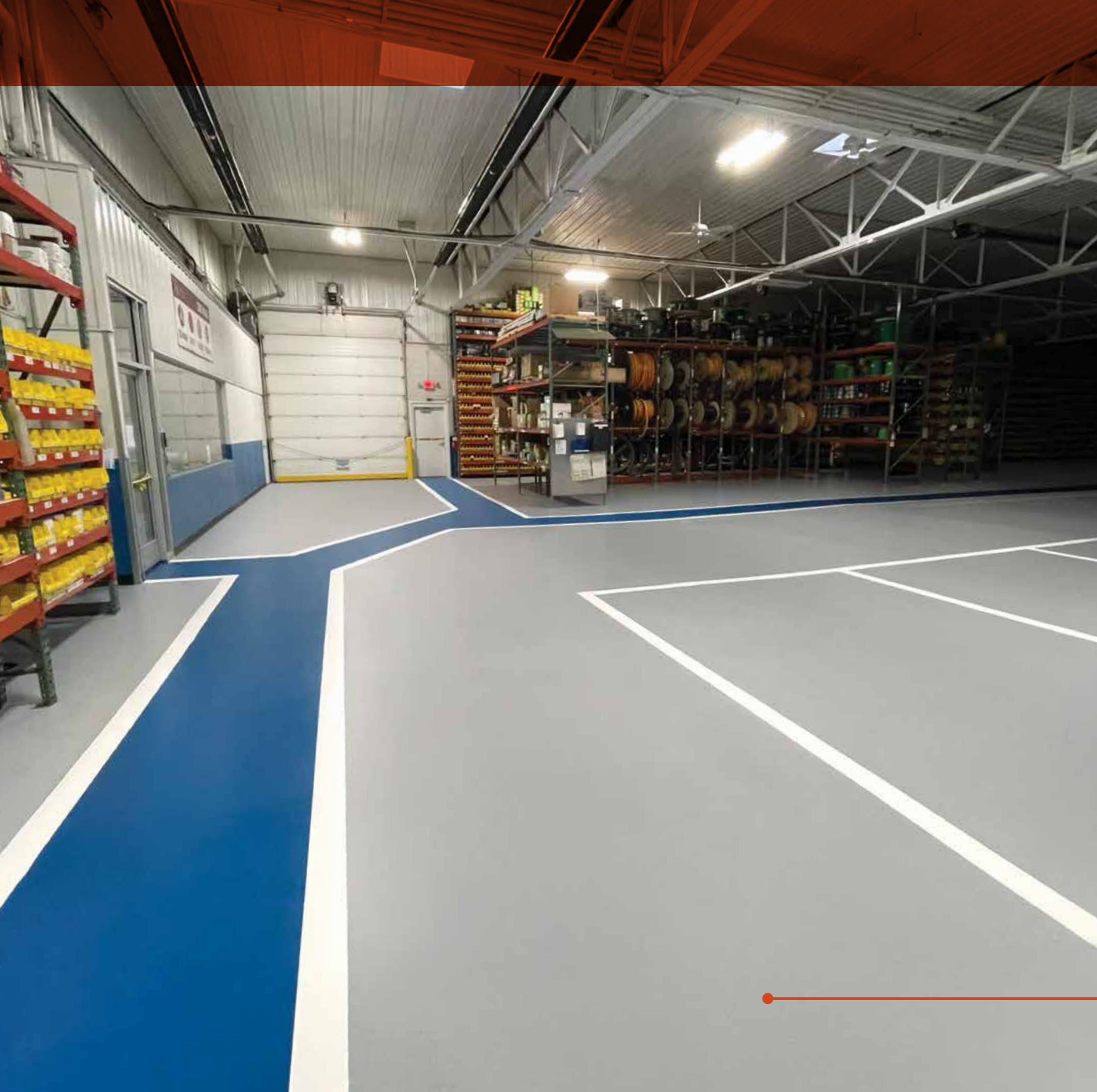


# MANUFACTURING SYSTEMS

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AISLEWAYS & LOADING DOCKS • BATTERY CHARGING AREAS  
MACHINE SHOPS • PRODUCTION • WAREHOUSES





# AISLEWAYS & LOADING DOCKS

## SIMFLOOR HWU HIGH-WEAR URETHANE

Heavy traffic areas need a system that will take continual abuse. The topcoat for **SIMFLOOR HWU** incorporates a filler that is very hard and provides superior wear resistance for heavy fork lift activity. The system also resists damage from chemicals and UV exposure through large, dock doors and factory windows.

### SYSTEM ATTRIBUTES



**ADHESION:**  
> 400 psi



**COEFFICIENT OF FRICTION:**  
0.60



**COMPRESSIVE STRENGTH:**  
11,600 psi



**FLAMMABILITY:**  
Self-extinguishing on concrete



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



**FLEXURAL STRENGTH:**  
12,800 psi



**GLOSS:**  
70 - 80



**HARDNESS:**  
Pencil 4H



**TABER ABRASION:**  
12 mg loss

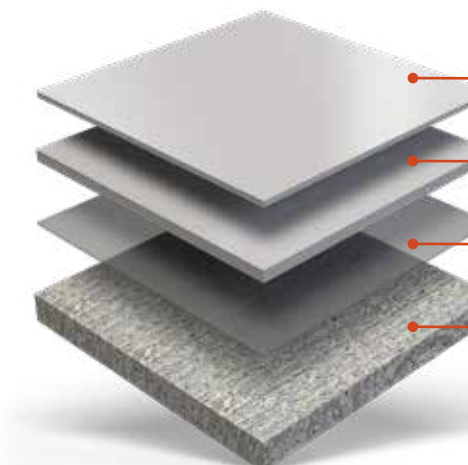


**TENSILE STRENGTH:**  
9,600 psi



**UV RESISTANT**

### SYSTEM BUILD



**TOPCOAT:**  
SIMTHANE HWU, SATIN, LIGHT GRAY

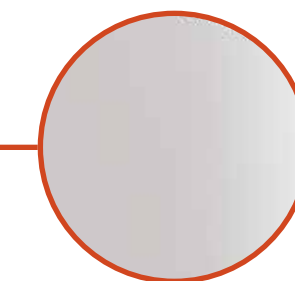
**BASECOAT:**  
1100SL 100% SOLIDS EPOXY, LIGHT GRAY

**PRIMER:**  
1000HS OR ANY SIMIRON EPOXY PRIMER, CLEAR

**PREPARED SUBSTRATE:**  
CSP 3+

### COLOR SELECTIONS

To view all color selections refer to the **Simiron Product Color Guide**.



# BATTERY CHARGING AREAS

## SIMFLOOR EPOXY SILOXANE CHEMICALLY RESISTANT

Areas that maintain batteries often look terrible due to leaked acid that stains and destroys many floors. **SIMFLOOR EPOXY SILOXANE** offers maximum surface protection, including battery acid. This low odor, low VOC system also offers abrasion and UV resistance. The recommended topcoat finish is satin and easy to maintain.

### SYSTEM ATTRIBUTES



**ADHESION:**  
> 400 psi



**COEFFICIENT OF FRICTION:**  
.50



**COMPRESSIVE STRENGTH:**  
11,600 psi



**ELONGATION:**  
5 - 10%



**FLAMMABILITY:**  
Self-extinguishing on concrete



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



**FLEXURAL STRENGTH:**  
12,800 psi



**HARDNESS:**  
Shore D: 75



**GLOSS:**  
88°



**TABER ABRASION:**  
40 mg loss

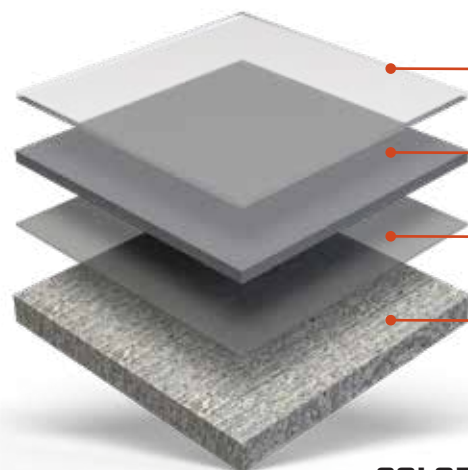


**TENSILE STRENGTH:**  
9,600 psi



**UV RESISTANT**

### SYSTEM BUILD



**TOPCOAT:**  
971EPS HIGH SOLIDS EPOXY SILOXANE, SATIN, CLEAR

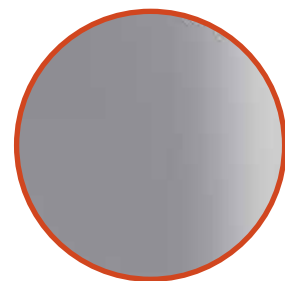
**BASECOAT:**  
1100SL 100% SOLIDS EPOXY, HAZE GRAY

**PRIMER:**  
1000HS OR ANY SIMIRON EPOXY PRIMER, CLEAR

**PREPARED SUBSTRATE:**  
CSP 3+

### COLOR SELECTIONS

To view all color selections refer to the [Simiron Product Color Guide](#).





# MACHINE SHOPS

## SHOP FLOOR

Manufacturing/work zones need to be durable to withstand the maintenance of heavy machinery. 1/16" **SHOP FLOOR** with slip-resistant texture is an industry standard for protecting concrete from dropped tools and parts. Our version locks in the broadcast with a polyaspartic, which provides UV stability for exposure through large windows and chemical resistance to a wide variety of oils.

### SYSTEM ATTRIBUTES



**ADHESION:**  
> 400 psi



**COEFFICIENT OF FRICTION:**  
> 0.55



**COMPRESSIVE STRENGTH:**  
11,600 psi



**ELONGATION:**  
5 - 10%



**FLAMMABILITY:**  
Self-extinguishing on concrete



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



**FLEXURAL STRENGTH:**  
12,800 psi



**GLOSS:**  
92 - 95



**HARDNESS:**  
Shore D 70, 86



**TABER ABRASION:**  
30 mg loss

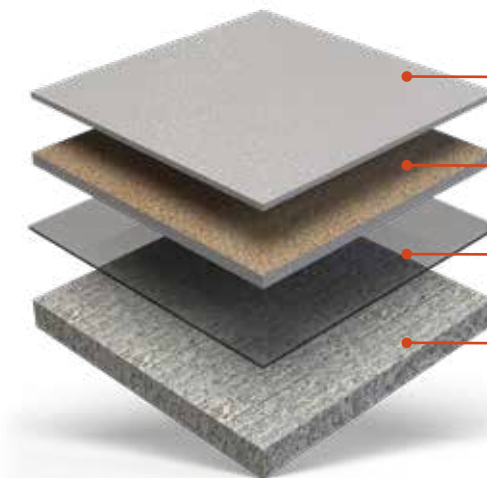


**TENSILE STRENGTH:**  
9,600 psi



**UV RESISTANT**

### SYSTEM BUILD



**TOPCOAT:**  
POLYASPARTIC HS, GLOSS, LIGHT GRAY

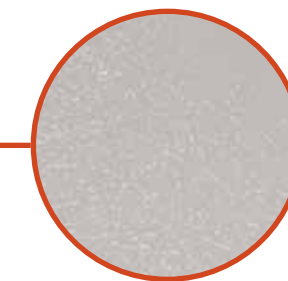
**BASECOAT/BROADCAST:**  
1100SL 100% SOLIDS EPOXY, LIGHT GRAY & SILICA SAND

**PRIMER:**  
1000HS OR ANY SIMIRON EPOXY PRIMER, CLEAR

**PREPARED SUBSTRATE:**  
CSP 3+

### COLOR SELECTIONS

To view all color selections refer to the **Simiron Product Color Guide**.



# PRODUCTION

## SIMFLOOR HWU HIGH-WEAR URETHANE

Operations managers want a floor solution that will last once a process is installed. **SIMFLOOR HWU** is a system named after the featured topcoat, which yields a wide-range of protection characteristics. The low VOC system has resistance to most machine fluids. The satin finish is tough and creates a background to find small tools, parts, and fasteners.

### SYSTEM ATTRIBUTES



**ADHESION:**  
> 400 psi



**COEFFICIENT OF FRICTION:**  
0.60



**COMPRESSIVE STRENGTH:**  
11,600 psi



**FLAMMABILITY:**  
Self-extinguishing on concrete



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



**FLEXURAL STRENGTH:**  
12,800 psi



**GLOSS:**  
70 - 80



**HARDNESS:**  
Pencil 4H



**TABER ABRASION:**  
12 mg loss

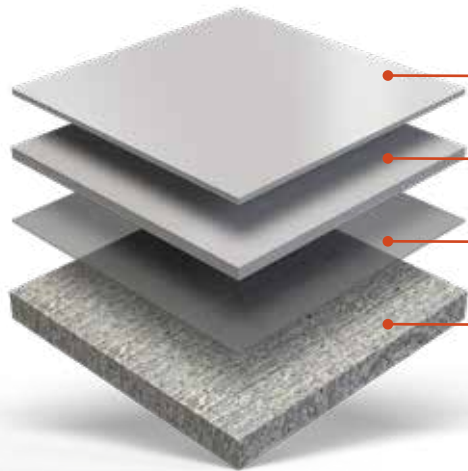


**TENSILE STRENGTH:**  
9,600 psi



**UV RESISTANT**

### SYSTEM BUILD



**TOPCOAT:**  
SIMFLOOR HWU, SATIN, LIGHT GRAY

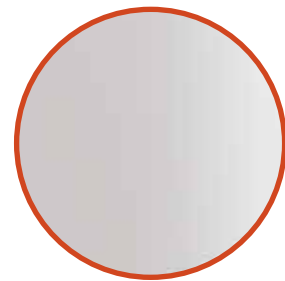
**BASECOAT:**  
1100SL 100% SOLIDS EPOXY, LIGHT GRAY

**PRIMER:**  
1000HS OR ANY SIMIRON EPOXY PRIMER, CLEAR

**PREPARED SUBSTRATE:**  
CSP 3+

### COLOR SELECTIONS

To view all color selections refer to the [Simiron Product Color Guide](#).





# WAREHOUSES

## SIMFLOOR HWU HIGH-WEAR URETHANE

Finished products need the concrete sealed to reduce dusting. Workers require a slip-resistant surface that can handle stock moving equipment. **SIMFLOOR HWU** is a high-solids floor coating system with a light, consistent texture offers traction for workers and withstands abrasion from heavy lift trucks that may be used. This finish also provides an enduring appearance that is easy to clean.

### SYSTEM ATTRIBUTES



**ADHESION:**  
> 400 psi



**COEFFICIENT OF FRICTION:**  
0.60



**COMPRESSIVE STRENGTH:**  
11,600 psi



**FLAMMABILITY:**  
Self-extinguishing on concrete



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



**FLEXURAL STRENGTH:**  
12,800 psi



**GLOSS:**  
70 - 80



**HARDNESS:**  
Pencil 4H



**TABER ABRASION:**  
12 mg loss

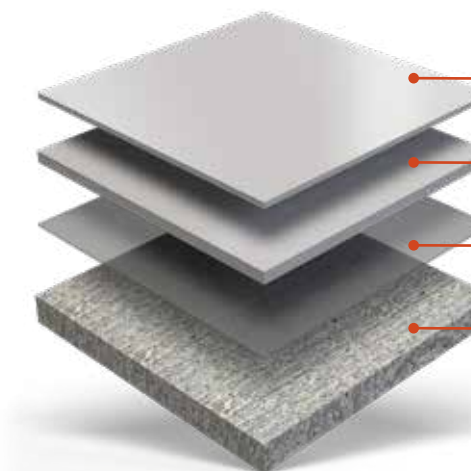


**TENSILE STRENGTH:**  
9,600 psi



**UV RESISTANT**

### SYSTEM BUILD



**TOPCOAT:**  
SIMFLOOR HWU, SATIN, LIGHT GRAY

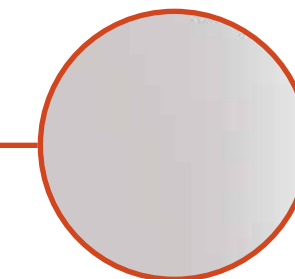
**BASECOAT:**  
1100SL 100% SOLIDS EPOXY, LIGHT GRAY

**PRIMER:**  
1000HS OR ANY SIMIRON EPOXY PRIMER, CLEAR

**PREPARED SUBSTRATE:**  
CSP 3+

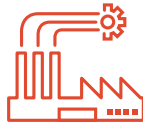
### COLOR SELECTIONS

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