

**SELECTION & SPECIFICATION DATA**

<b>Description</b>	Sanitile 985 PA is a high-solids polyaspartic developed for floor coating applications. Sanitile 985 PA is designed to optimize leveling and wetting properties. Its characteristics include excellent chemical resistance, adhesion, and resistance to UV degradation. Sanitile 985 PA will provide a smooth glossy finish when fully cured. It is low VOC product which is virtually odor free.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Quick return to service (2-4 hours for foot traffic)</li> <li>• Self-leveling</li> <li>• Smooth, gloss finish</li> <li>• Flexible with high impact resistance</li> <li>• Excellent UV protection</li> <li>• Excellent chemical and abrasion resistance</li> <li>• Extended pot-life or working time</li> <li>• 95% volume solids, low VOC, low odor</li> <li>• Suitable for use in USDA inspected facilities</li> <li>• Available in custom colors</li> <li>• Class A fire rating</li> </ul>
<b>Color</b>	White, Light Grey, Medium Grey, Tile Red, Blue, Beige, Black, Clear RTS available for custom colors
<b>Finish</b>	Gloss
<b>Primer</b>	Carboguard 1340 WB at 1.5-2.0 mils DFT or other epoxy primers as recommended by Carboline Technical Service
<b>Dry Film Thickness</b>	254 - 381 microns (10 - 15 mils) per coat
<b>Solids Content</b>	By Volume 95% +/- 2%
<b>Theoretical Coverage Rates</b>	<ul style="list-style-type: none"> <li>• 152 ft<sup>2</sup> at 10 mils DFT</li> <li>• 102 ft<sup>2</sup> at 15 miles DFT</li> </ul>
<b>Theoretical Coverage Rate</b>	37.4 m <sup>2</sup> /l at 25 microns (1524 ft <sup>2</sup> /gal at 1.0 mils) 3.7 m <sup>2</sup> /l at 250 microns (152 ft <sup>2</sup> /gal at 10.0 mils) 2.5 m <sup>2</sup> /l at 375 microns (102 ft <sup>2</sup> /gal at 15.0 mils) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 0.12 lbs/gal (15 g/l)
<b>Dry Temp. Resistance</b>	Continuous: 93°C (200°F) Non-Continuous: 121°C (250°F)  Discoloration and loss of gloss occurs above 180° F (82° C) but does not affect performance.

# Sanitile 985 PA

## PRODUCT DATA SHEET



### SUBSTRATES & SURFACE PREPARATION

#### General

Concrete or mortar joints must be cured 30 days at 75°F (24°C) and 50% humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete.

Attain a surface profile resembling coarse sandpaper. Eliminate leaks and infiltrations and remove standing water. Fill excessive cracks or joints using a high-strength, rapid-cure zero-shrinkage resurfacing product.

Caution: This product in the liquid stage is moisture sensitive and needs to be protected from high humidity, dew and direct moisture contact until cured to a firm state. Application and/or curing in humidity above maximum or exposure to moisture from rain or dew may result in a loss of gloss, micro bubbling and/or blistering of the product.

#### Concrete

Concrete (or mortar joints) must be cured 30 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Attain a surface profile resembling coarse sandpaper. Eliminate leaks and infiltrations and remove standing water. Fill excessive cracks or joints using a high-strength, rapid cure, zero-shrinkage resurfacing product. Surface, ambient, and material temperatures ranges are from 50°F-100°F. Humidity ranges for this product are from 30-85%. In addition, industry standards are for substrate temperatures to be 5°F (3°C) above the dew point.\*

\*Caution: This product in the liquid stage is moisture sensitive and needs to be protected from high humidity, dew and direct moisture contact until cured to a firm state. Application and/or curing in humidity above maximum, or exposure to moisture from rain or dew may result in a loss of gloss, micro bubbling, and/or blistering of the product.

### PERFORMANCE DATA

Test Method	System	Results
Elongation ASTM D412	Sanitile 985 PA	75%
Flexibility ASTM D1737	Sanitile 985 PA	Passes 1/8" mandrel bend
Hardness ASTM D2240	Sanitile 985 PA	Shore D 45
Impact Resistance	Sanitile 985 PA	160 inch-lbs
Tabor Abrasion ASTM D4060 1 kg weight/CS17 wheel/1000 cycles	Sanitile 985 PA	70 mg loss
Tear Strength ASTM D624	Sanitile 985 PA	375 psi
Tensile Strength ASTM D412	Sanitile 985 PA	2920 psi

### MIXING & THINNING

#### Mixing

Sanitile 985 PA comes in 2, 10, and 110 gallon units, consisting of Hardener A and Base B. Power mix Part A & B separately until the pigments are dispersed in to a homogenous liquid. Combine A & B together at a 1:1 ratio and power mix until both components become a single, homogenous liquid.

#### Thinning

Thinning is not recommended but if needed Thinner #25, #214, or #215 may be added up to 2 oz. per gallon.

## MIXING & THINNING

**Working Time at 75° F** | 30-45 minutes  
(24° C)

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

**Spray Application (General)** | To apply on vertical surfaces add Thixatlope D to the "B" component in equal measure (1:1) mixing well, then add Part A and mix thoroughly. Spray application is recommended for high film build.

**Application Procedure** | Fill voids and bug holes prior to application where a self-leveling, smooth finish is desired. Back rolling with a 3/16" shed-resistant nap is recommended after the squeegee application has been executed. Roller covers should be changed every 30-45 minutes in order to keep longer working time. Brush application should only be employed for cut in, small areas, touch-ups, and repairs.

**Airless Spray** | Pump Ratio: 30:1 (min)\*  
GPM Output: 3.0 (min)  
Material Hose: 3/8" I.D. (min.)  
Tip Size: 0.015 - 0.017"  
Output PSI: 2100 - 2400  
Filter Size: 60 mesh

Carboline products are often multiple-component systems. Poor mixing or incorrect mixing procedures can result in irregular and incomplete hardening, which in turn can result in an inferior final result.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	2°C (35°F)	2°C (35°F)	2°C (35°F)	30%
Maximum	38°C (100°F)	38°C (100°F)	38°C (100°F)	85%

Humidity levels below 30% will require longer cure times.

## CURING PROGRAM

Surface Temp.	Dry Time (Light Foot Traffic)	Final Cure	Maximum Recoat Time	Minimum Recoat Time
24°C (75°F)	2 Hours	7 Days	24 Hours	2 Hours

## PACKAGING, HANDLING & STORAGE

**Shelf Life** | Part A: 24 months  
Part B: 24 Months

**Shipping Weight (Approximate)** | • 2 Gallon Kit: 21 lb  
• 10 Gallon Kit: 105 lbs  
• 106 Gallon Kit: 1,112 lbs

**Storage Temperature & Humidity** | 60° to 100°F (16-38°C)  
0 - 100% Relative Humidity

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## PACKAGING, HANDLING & STORAGE

<b>Flash Point (Setaflash)</b>	Part A: > 200° F (93°C) Part B: > 200° F (93°C)
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<b>Storage</b>	Store Indoors  This product is solvent based and not affected by excursions below these published storage temperatures, down to 10°F, for the duration of no more than 14 days. Always inspect the product prior to use to make sure it is smooth and homogeneous when properly mixed.
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## WARRANTY

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