



## Flowcoat SF41 HCS (35 mils)

A chemical resistant epoxy floor coating system designed for use in aircraft hangars.



### Chemical Resistant:

Protects against alkalis, hydraulic fluids, battery acid and jet fuel including Skydrol.



### Slip Resistant:

Adjustable, positively textured profile to minimize slip risks in wet or damp areas.



### Wear Resistant:

Excellent abrasion, impact and wear resistance in high traffic areas.



### Low Maintenance:

End of life surfaces can be over-coated with minimal surface preparation.



### Seamless & Easily Cleaned:

Seamless installation ensures dirt and dust are swiftly and easily cleaned away.

## Standard Colors:



The applied colors may differ from the examples shown.  
For a full color chart and samples, contact your local Key Resin Company office.

### COMPRESSIVE STRENGTH:

|            |             |
|------------|-------------|
| ASTM C 579 | >10,500 psi |
|------------|-------------|

### TENSILE STRENGTH:

|            |            |
|------------|------------|
| ASTM D 638 | >2,100 psi |
|------------|------------|

### FLEXURAL STRENGTH:

|            |            |
|------------|------------|
| ASTM C 580 | >8,700 psi |
|------------|------------|

### SLIP RESISTANCE:

|   |  |
|---|--|
| PTV BS 7976-2<br>(Using TRRL Rubber Slider) | Dry: 60<br>Wet: Dependent on specification |
|---|--|

### ABRASION RESISTANCE:

|   |             |
|---|-------------|
| ASTM D 4060<br>CS 17 Wheel, 1000 cycles | 0.010g loss |
|---|-------------|

### SURFACE HARDNESS:

|                      |           |
|----------------------|-----------|
| Koenig Hardness Test | >180 secs |
|----------------------|-----------|

### BOND STRENGTH:

Greater than cohesive strength of 3,000 psi concrete, > 220 psi

### TEMPERATURE RESISTANCE:

|                      |             |
|----------------------|-------------|
| Continuous Exposure: | Up to 150°F |
|----------------------|-------------|

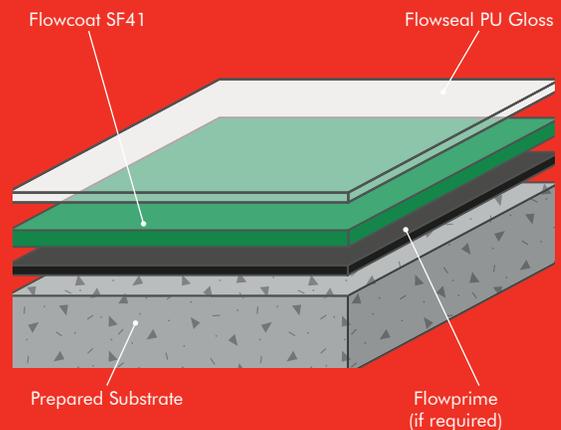
|      |        |
|------|--------|
| VOC: | 12 g/l |
|------|--------|

| SPEED OF CURE: | 50°F | 70°F | 90°F |
|----------------|------|------|------|
|----------------|------|------|------|

|               |        |        |        |
|---------------|--------|--------|--------|
| Light Traffic | 36 hrs | 16 hrs | 10 hrs |
|---------------|--------|--------|--------|

|              |        |        |        |
|--------------|--------|--------|--------|
| Full Traffic | 96 hrs | 48 hrs | 30 hrs |
|--------------|--------|--------|--------|

|                    |         |        |        |
|--------------------|---------|--------|--------|
| Full Chemical Cure | 14 days | 7 days | 3 days |
|--------------------|---------|--------|--------|



## Products Included In This System

|                  |  |
|------------------|--|
| <b>Primer:</b>   | Flowprime at 175 - 225 sq ft/gal (if required) |
| <b>1st Coat:</b> | Flowcoat SF41 at 80 sq ft/gal                  |
| <b>2nd Coat:</b> | Flowseal PU Gloss at 320 sq ft/gal *           |

\*Flowseal UV can be used in place of Flowseal PU Gloss for a low odor option.

Coverages listed are theoretical, coverages may vary based on substrate and site variations. For optional slip resistant dressings please consult our Technical Advisors.

## Installation

Installation should be carried out by a Key Resin Company preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

## Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

## Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

## Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent.

## Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Key Resin Company staff and fully trained application teams.

## Warranty

Key Resin Company products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

## Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Key Resin Company, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

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