



Application Guide

Product Description

This 1-Component Hard Surface Sealer is easy to apply and provides a durable, repairable finish. The finish has excellent chemical resistance with low odor and low VOC.

Features and Benefits

- Excellent abrasion and chemical resistance
- Easy application and leveling
- Low odor and VOC

Typical Properties

Appearance	Clear
pH	11.5
Viscosity	5 cps
Density	9.31

This information is not intended for use in preparing specifications.

Application(s)

- Hard Surface Floors
- Concrete
- Decorative Stone

Environmental Impact

The finish is a low VOC and low odor product utilizing safe and compliant binders and solvents.

Compliance

Please see the product's current Safety Data Sheet, SDS, for regulatory information. You can request an SDS at <https://indspyre.com/Home/Contact>.

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Starting Point Formulation

1-K Hard Surface Sealer 101-1

Material	Pounds	% by Volume	% by Weight	Use
Add materials as listed and mix until homogenous.				
Water	530.54	63.48	56.96	Solvent
IndSurf Natura HP	0.42	0.05	0.05	Surface wetter
DOWANOL™ DPM	3.30	0.50	0.35	Solvent
IndProof MPS-54	264.75	22.66	28.43	Silicone resin
Add resin slowly at high agitation.				
IndSeal Cross STC	132.38	13.21	14.21	Crosslinker
Total	931.4	100.00	100.00	

Formula Properties:

Specific Gravity (SG)	1.12	Total Pounds	931
Lbs. / Gal	9.31	Total Gallons	100
% Weight Solids	18.9	Coverage	2000 sq ft/gal
% Volume Solids	14.78	Dry Time	Min. 30 mins
Grams VOC/liter less water	40	Gloss Level	N/A
Lbs. VOC/Gallon Less Water	0.33	Recoat Frequency	As needed (traffic cond.)

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Performance Data

1-K Hard Surface Sealer

Performance Characteristics	Standard	Product
Viscosity	D2983	5 cps
Dry Time		0.5 hours
Coefficient of Friction	D2047	0.65
Chemical Resistance (1-5, 5 no stain)	D1308 (2 hours)	
▪ Mustard		5
▪ Ethanol 95%		5
▪ Red wine		5
▪ 7.5% Bleach solution		4
▪ Coffee		5
▪ Isopropanol 91%		4
▪ Orange juice		5
▪ Balsamic vinegar		5
▪ White vinegar		4
▪ Olive Oil		5
▪ Water		5

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Application Guide

1-K Hard Surface Sealer

101-1

Performance Characteristics	Standard	StoneTech®	Fila HP	511 H2O	1-K Hard Surface Sealer 101-1
Viscosity	D2983	5 cps	5 cps	5 cps	5 cps
Dry Time		0.5 hours	0.5 hours	0.5 hours	0.5 hours
Coefficient of Friction	D2047	ND	ND	ND	0.65
Chemical Resistance (1-5, 5 no stain)	D1308 (2hrs)				
▪ Mustard		5	5	5	5
▪ Ethanol 95%		4	4	5	5
▪ Red wine		5	5	5	5
▪ 7.5% Bleach solution		3	3	4	4
▪ Coffee		5	5	5	5
▪ Isopropanol 91%		5	5	5	5
▪ Orange juice		5	5	5	5
▪ Balsamic vinegar		5	5	5	5
▪ White vinegar		1	1	1	3
▪ Olive Oil		5	5	5	5
▪ Water		5	5	5	5

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(470) 749-9990 | [IndSpyre.com](https://www.IndSpyre.com)

StoneTech®



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Fila HP



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511 H2O Plus



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1-K Hard Surface Sealer 101-1



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Formulation Suggestions

- **Solvents** – Glycol ether DPM is typically recommended. TPM can be used for slowing the system down in cure. Not to exceed 50 VOC.
- **Defoamers** – silicone type defoamers are most effective, such as BYK®-024, 094 or TEGO® Foamex 810 or 902W at a loading of 0.01 – 0.05%
- **Leveling agents** – silicone leveling agents such as BYK®-347, 349 or 3455 are most effective at a loading of 0.1 – 0.3%.

Raw Materials

- DOWANOL™ is a Trademark of Dow.

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