

## 1055 SEAL KOAT

55% solids water based epoxy

HIGH PERFORMANCE COATINGS



1055 Seal Koat is a specially formulated, low odor, two component, epoxy sealer for interior use that rivals solvent based products. 1055 Seal Koat provides fast cure times, superior chemical resistance, abrasion resistance, substrate penetration and hot tire pick up resistance.

### Key Features & Typical Benefits

- Low viscosity allows for excellent substrate wetting and penetration.
- Provides superior resistance to many common chemicals and solvents.
- Excellent abrasion resistance that rivals many solvent based products.
- High gloss and low odor make this ideal for many interior applications.
- VOC compliant for most areas in the United States and Canada.

### Recommended Applications

- Effective on applications such as...
- Many interior applications where a low odor, abrasion resistant coating is required.



### Specifications / Compliances

- Dried coating is USDA accepted
- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

### Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	55%
Dry Time - Tack Free	20 - 40 minutes
Dry Time - Foot Traffic	6 - 12 hours
Dry Time - Heavy Traffic	2 - 5 days
Re-Coat Time Window	4 - 6 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 20 grams/Liter
Appearance - Wet	Milky White
Appearance - Dry	Clear and High Gloss

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

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Refer to msds prior to use.

# 1055 Seal Coat

## Application Instructions

**SURFACE PREP:** For a thin film build system (3-10 mils) we suggest either mechanical scarification, acid etching (and then neutralize to 7 PH), or diamond grinding until an appropriate profile is accomplished. For a high build system (over 10 mils), we suggest a fine brush blast (shot blast). To ensure adequate adhesion, the substrate must be free of all dirt, oil, dust, laitance and foreign contaminants. Prior to application a test should be made to determine that the concrete has an acceptable vapor barrier. This can be done by placing a 4' X 4' plastic sheet on the substrate and completely taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause loss of adhesion. However, 1055 Epoxy can be applied to a damp floor as long as there are no standing puddles and the dampness is not from a continuous source of moisture due to lack of a vapor barrier. Adhesion tests are recommended prior to using.

Substrate and air temperature must be no less than 40° F and not exceed 80° F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150° F which can cause extreme bubbling issues.

**MIXING:** If mixing less than a full kit, mix Part A & Part B separately with a stir stick, low speed mixer or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Pour a full pre-packaged kit of 2 part of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Water based two part systems need to be mixed well for adequate cure and a streak free finish.

**COVERAGE RATE:** *First Coat*: 200 - 300 ft<sup>2</sup> per gallon\* @ 3 - 4 mils

\*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

**APPLICATION:** Apply the mixed material by brush or roller with a 1/4" nap - 3/8" nap shedless roller cover within the usable pot life time frame, as well as the recommended temperature and relative humidity guidelines listed in the Technical Information section. If continuous out-gassing in the concrete is causing bubbles, re-roll the material using a cross rolling method before the material cures to reduce or eliminate air entrapment. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to Puddle! If recoating after 24 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

**PLEASE NOTE:** Applying material outside the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

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## Precautions and Limitations

- This product will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- This product should be applied in thin coats. Do not puddle!
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- All new concrete must be cured for at least 28 days prior to application.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values not specifications.
- This product is not UV stable and should not be used outdoors or in areas exposed to excessive sunlight.

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**CLEAN-UP:** Use PM solvent. Dispose of containers in accordance with local, state and federal regulations.

**PRODUCT REMOVAL:** Dried, cured sealer may be removed with a commercial stripper or by using a diamond grinding method, sandblasting method or similar mechanical action.

**SHELF LIFE:** Up to one year from manufacture date in its original, unopened container stored at room temperature.

**PACKAGING:** Available in 3 gallon and 15 gallon kits.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.