RES-TEK®
Commercial & Industrial Flooring Solutions

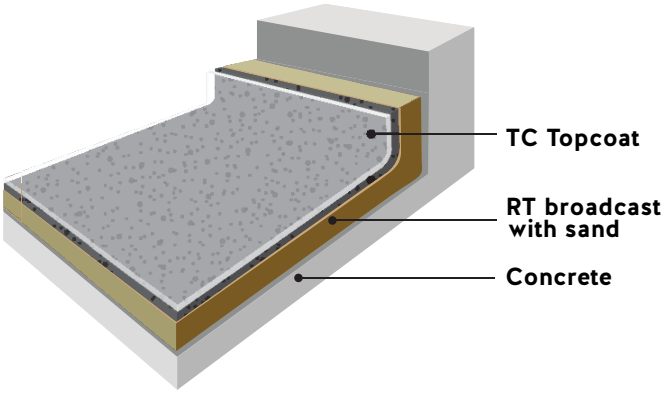
PUR-Guard™
Cementitious Urethane Flooring

RT Urethane Cement System

SYSTEM DESCRIPTION

PUR-Guard™ RT System is a high-strength, low-VOC, 100% solids, urethane cement–based, self-leveling flooring system installed at a nominal thickness of 5/16" to 1/2".

SYSTEM COMPONENTS



CURE TIME @ 70°F RH 50%

PUR-GUARD	FOOT TRAFFIC	FULL CURE
RT	8-10 hours	24 hours
TC	8-10 hours	24 hours

PHTHALATE FREE CERTIFIED

SYSTEM BENEFITS

- Meets FDA/USDA requirements
- Antimicrobial properties
- Withstands thermal shock up to 220°F
- High tolerance of moisture vapor transmission
- High abrasion and impact resistance
- Installs on green (10-day old) concrete
- Chemical resistant
- Matching seamless cove base for wall protection
- Designed specifically to withstand heavy impact and traffic
- Minimal maintenance costs

APPLICATION CONDITIONS	
Application Temperature	60° to 80°F
Substrate Temperature	≤ 5°F above dew point
Relative Humidity	25% - 80%

STANDARD PACKAGING

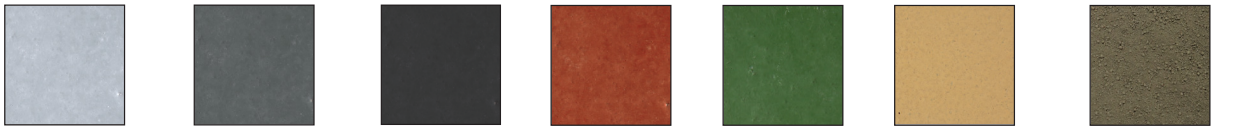
PUR-Guard products are sold in kits consisting of multiple components. Product properties require that containers provided are not completely filled. See price sheet for actual container weights and volumes.

STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. Do not store near open flame or ignition source. Read and understand all product labels and SDS sheets prior to use.

COLOR OPTIONS

PUR-Guard systems are available in several standard color options.



PHYSICAL CHARACTERISTICS

TEST METHOD	RESULT	TEST METHOD	RESULT
Compressive Strength ASTM C579, (psi)	8,150	**Impact Resistance ASTM D2794**	No visible damage at minimum 160 in./lb.
Tensile Strength ASTM C307, (psi)	1,900	**Adhesion ASTM D7234**	Exceeds the tensile/cohesive strength of concrete
Modulus of Elasticity ASTM D2370 (lbf./sq. in.)	19,500	**Coefficient of Friction**	> 0.5, meets or exceeds ADA recommendations
Hardness ASTM D2240, Shore D	88	**Water Absorption (ASTM C413, wt.%)**	< 0.1
Abrasion Resistance ASTM D4060 (CS-17, mg)	20-30	**VOC CONTENT (ASTM D2369, EPA Method 24)**	PUR-Guard RT: 0 g/L PUR-Guard TC: 0 g/L
Moisture Vapor Transmission Limitations	Calcium Chloride (ASTM F-1869) 20 lb/1000 sq.ft./24 hrs, and 99% RH using in-situ RH probe (ASTM F-2170)		

The properties listed herein represent compiled data from individual component products within the system. Actual performance may vary based on installation conditions, substrate, environment, and system configuration. Not all values may be applicable to every installation. Field verification of suitability is the responsibility of the installer and design professional.

PRIMING

If concrete out-gassing occurs resulting in surface irregularities, the substrate should be primed with PUR-Guard TC. The primed area should be allowed to dry tack free before proceeding with the body coat application. Installation of a test patch may be helpful to determine if priming is necessary.

MOISTURE MITIGATION

For moisture mitigation above PUR-Guard limits, Calcium Chloride (ASTM F-1869) 20 lb/1000 sq.ft./24 hrs, or 99% RH using in-situ RH probe (ASTM F-2170), additional products are required. If waterproofing is required please consult your Res-Tek representative for more information

COVE BASE

All Res-Tek floor systems can include an integral 4” or 6” cove base.

SLIP RESISTANCE

Aluminum oxide or industrial silica can be added to the system to increase slip-resistance to the desired level. Please consult your Res-Tek representative for more information.

CLEANING & MAINTENANCE

Res-Tek flooring systems require little routine maintenance. No stripping or waxing is required. However, a regular cleaning schedule will increase service life and aid in maintaining aesthetics. Please refer to the Cleaning & Maintenance Guide for specific instructions.

MIXING & APPLICATION

Please refer to the Product Data Sheets and Application Guide for specific instructions.

WARRANTY

Res-Tek Inc. warrants material for 1 year if used and stored in accordance with Res-Tek’s specified application procedure. Res-Tek Inc. has no responsibility for application and processing of products.

110 Riverside Drive SW
Cartersville, GA 30120
Ph: 770-427-4034
www.Res-Tek.net