ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

PHYSICAL TESTING DATA
CHEM-THANE P-50 V.2015

Product Description:

CHEM-THANE P50 is a water clear, 2-component, 85% solids modified aliphatic /polyaspartic coating that combines the best attributes of high grade epoxy and urethane coatings. **CHEM-THANE P50** offers the highest UV resistance available, remains flexible over time and has very good abrasion and chemical resistance. **CHEM-THANE P50** has very low reportable VOCs, zero HAPS and meets all USDA/FDA guidelines for use in federally inspected facilities.

***As a BODY or FINISH coat*: CHEM-THANE P50** is an excellent non-yellowing, body or finish coat for any ROCK-TRED floor or wall coating system. This coating is specially formulated to have extended working time in warmer temps (70°-90°F) and/or more humid environments. Typical coverage per coat is from 80 sq. ft. /gal. (20 mils) to 150 sq. ft. /gal. (11 mils). For a lower viscosity you may add up to 6 oz. P50/P100 Viscosity Reducer per mixed gallon of **CHEM-THANE P50**.

Physical Testing Information:

Volume mix ratio	1.5 to 1 (Resin to Hardener)
Viscosity (mixed)	550 – 750 CPS Typical
Solids Content (%)	85% (ASTM D-2697)
Hardness (ASTM D-2240)	70 (Shore D) @ 7 day cure
VOC	0.79 g/l (EPA method 24)
Application Temps	50° – 90°F
Gel Time (see "Limitations" section below for more details)	40 - 60 minutes @ 75°F
Dry to Touch (recoat with compatible products)	30 – 45 minutes @ 75°F
Through-Cure	2.5 – 3 hours @ 75°F
Open to light traffic	24 hours @ 75°F
Shelf Life:	1 Year in unopened units

LIMITATIONS & FOR BEST RESULTS:

- May be thinned with up to 6 oz. P50/P100 Viscosity Reducer per mixed gallon **CHEM-THANE P50**. *Adding Viscosity Reducer will lower the viscosity and slightly increase the odor during cure, but will not alter the reportable VOC content. Adding Viscosity Reducer will slightly slow the cure time, but will not change the performance characteristics of the cured material.*
- Do not apply when humidity exceeds 80%.
- Do not allow to puddle during application.
- Allow each coat to dry to 'tack-free' or clear prior to re-coat.
- When re-coating, apply the next coat within 24 hours of completing the previous coat.
- Mix on very low RPM or using a stir stick for 45-60 seconds. DO NOT INTRODUCE ANY AIR.
- When possible, squeegee on the shorter length of the room and immediately back roll in one pass in the opposite direction to strike off. Thickness of application should be controlled by the squeegee. Do not rely on back roll to eliminate puddles. Do not over back-roll as this will entrain air.

Gel time listed above for this product should not be confused with working time – actual working time is typically 15-20 minutes at 75°F and 45% RH when no Viscosity Reducer has been added.

Please review ROCK-TRED's Product Data Sheet and SDS for further information on this product. All physical testing information is from performance testing run on neat coats of the tested product unless otherwise indicated.