

FORMCOVE+

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

FORMCOVE+ IS A TWO COMPONENT POLYURETHANE COVE BASE. FORMCOVE+ PROVIDES RAPID CURE AND EXCELLENT ADHESION TO CONCRETE. FORMCOVE+ IS A COST EFFECTIVE, EASY TO TROWEL MATERIAL THAT ALLOWS THE PROTECTIVE BENEFITS OF THE FLOOR COATING TO BE SEAMLESSLY EXTENDED UP THE SURROUNDING WALLS.

TYPICAL USES/APPLICATIONS

- COVE BASE FOR FLOOR COATING SYSTEM

PRODUCT ADVANTAGES

- SMOOTH AND SEAMLESS
- COST EFFECTIVE
- RAPID CURE

PACKAGING

2-GALLON KIT

PART A: 1 GALLON JUG

PART B: 1-GALLON JUG

STORAGE

PRODUCT SHOULD BE STORED INDOORS BETWEEN 60°F TO 85°F AWAY FROM DIRECT SUNLIGHT AND MOISTURE.

MAKE SURE CONTAINERS ARE COMPLETELY SEALED TO PREVENT MOISTURE CONTAMINATION AND ENSURE BEST PERFORMANCE.

SHELF LIFE IS 12 MONTHS.

RECOMMENDED APPLICATION TEMPERATURE

FORMCOVE+: 60° - 80° F

APPLYING MATERIAL OUTSIDE OF THE RECOMMENDED TEMPERATURE RANGE MAY DRAMATICALLY INCREASE OR DECREASE CURE SPEED.

TEST DATA

RESIN ONLY:

WEIGHT PER GALLON (ASTM D1475):

PART A:	8.35 LB/GAL
PART B:	9.26 LB/GAL

VISCOSITY (ASTM D7867):

PART A:	3000 CP
PART B:	100 CP

GEL TIME:

100 ML	10 MIN
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WITH SAND*:

SOLIDS CONTENT:

A+B+SAND CURED	>99%
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TRACK FREE TIME:

1/2 INCH, 50%RH	25 MIN
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SHORE D HARDNESS (ASTM D2240):

10 DAY:	73 UNITS
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ADHESION (ASTM D4541):

10 DAY:	>500 PSI (CONCRETE FAILED)
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* USING THE RECOMMENDED MIX RATIO OF SAND

ALL TEST DATA COLLECTED AT 70°F.

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SURFACE PREPARATION

MAKE SURE SURFACE IS PROPERLY ABRADED, CLEAN, AND DRY BEFORE APPLICATION. SURFACE MUST BE FREE OF DIRT, GREASE, OIL, AND OTHER CONTAMINANTS. CONTAMINANTS COULD LEAD TO SURFACE DEFECTS SUCH AS CRAWLING AND POOR ADHESION.

ENSURE THAT THE FLOOR TEMPERATURE IS MORE THAN 5 DEGREES OVER THE LOCAL DEW POINT TO AVOID WATER CONDENSATION.

FLOOR MOISTURE SHOULD BE MONITORED WITH A NONDESTRUCTIVE ELECTRONIC MOISTURE METER AS PER ASTM F2659. READING SHOULD BE LOWER THAN 5.5% BY THIS METHOD.

PRE-MIX REQUIREMENTS

PART A: VIGOROUSLY SHAKE JUG UNTIL CONTENTS ARE UNIFORM.

PART B: NOT REQUIRED.

MIX RATIO:

1:1:5 MIX RATIO BY VOLUME (A:B:SAND)

MIX INSTRUCTIONS:

MIX A SMALL AMOUNT OF FORMCOVE+ WITH ENOUGH 5030 FINE SILICA SAND, OR EQUIVALENT, TO PRODUCE A THICK PASTE. THE RECOMMENDED AMOUNT IS 4 OZ OF A, 4 OZ OF B, AND 16-20 OZ OF SAND.

MIX FORMCOVE+ A AND B TOGETHER BY HAND FOR 2 MINUTES. THEN GRADUALLY MIX IN SAND UNTIL A THICK PASTE IS FORMED.

FORMCOVE+ MUST ALWAYS BE USED WITH AT LEAST THE MINIMUM RECOMMENDED AMOUNT OF SAND TO AVOID CURING AND HARDNESS ISSUES.

APPLICATION

1. USING A SMALL PUTTY KNIFE, SCOOP MATERIAL ONTO WHERE THE FLOOR MEETS THE WALL.
2. USING A 1" RADIUS COVE TROWEL, SPREAD FORMCOVE+ ALONG THE WALL AND SMOOTH OUT. BRUSHING ACETONE ON THE TROWEL WILL HELP IT SLIDE OVER THE SURFACE AND LEAVE A SMOOTHER FINISH.
3. REPEAT MIXING AND APPLICATION STEPS UNTIL DESIRED AREA IS COMPLETED.
4. AFTER ABOUT 30 MINUTES, USE A CONCRETE RUB STONE TO PROFILE THE FORMCOVE+ AND SMOOTH EDGES AND DEFECTS.
5. WORK TIME OF COATING IS REDUCED UNDER HIGH TEMPERATURE AND HIGH HUMIDITY CONDITIONS.

PRODUCT AND APPLICATION SUPPORT

REFER TO THE PENNTEK TRAINING MANUAL OR CONTACT TECHNICAL SUPPORT LINE (952-491-0616) FOR FURTHER INFORMATION.