



CATALINA
PRODUCTS
INTERNATIONAL
A TODAY COMPANY



PACIFICA®

SPECIFICATION AND INSTALLATION GUIDE

MANUFACTURED & TESTED BY





PACIFICA®: DURABLE. ADAPTABLE. PRACTICAL.

PACIFICA® composite floor coverings provide seamless wall-to-floor protection against moisture intrusion, UV degradation, and bacterial and fungal growth. With customizable options, school colors in high-traffic hallways aren't just for show. These embedded colors brilliantly camouflage day-to-day dust and debris. Plus, fast- and slow-cure options offer flexibility for quick return to service.

WHERE PACIFICA® GOES TO WORK

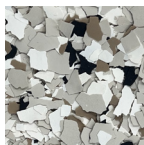
Our composite floor coatings stand up to continuous heavy traffic and work well in high-use spaces, including:

- auditoriums
- cafeterias
- kitchens
- wet areas
- coaching offices/locker rooms
- dormitory and school hallways
- bathrooms
- shade structures
- shower stalls
- STEM rooms
- stadium/arenas
- theater areas (backstage, walkways, stage)

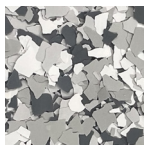
PACIFICA® 200 COLOR CHART



CANYON



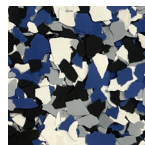
CARAMEL



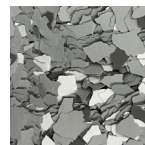
COOL MIST



PEPPERMILL



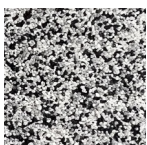
SAPPHIRE



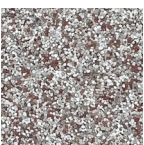
SMOKE

Colors shown are approximate.

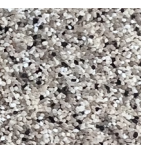
PACIFICA® 300 COLOR CHART



SALT & PEPPER



CINNAMON



BISCUIT

Colors shown are approximate.

ASTM RESULTS

	PACIFICA® 200 & 300
ASTM C579 COMPRESSIVE STRENGTH	9,000 psi
ASTM D2240 HARDNESS	75-80
ASTM D4541 ADHESION TO CONCRETE	1,000 psi
ASTM D4060 ABRASION RESISTANCE	14mg loss
ASTM D570 WATER ABSORPTION	0.04%
ASTM D790 FLEXURAL STRENGTH	5,400 psi
ASTM D638 TENSILE STRENGTH	2,200 psi
ASTM D-635 FLAMMABILITY	Self Extinguishing
ASTM E-84 FLAME SPREAD/NFPA 101	Class A
ANSI 137.1 STATIC COEFFICIENT OF FRICTION (SCOF) & DYNAMIC COEFFICIENT OF FRICTION (DCOF)	> 0.42

ASTM C722 CHEMICAL AND STAIN RESISTANCE

The following chemicals have no adverse effect on fully cured coating if removed within 24 hours:

- ammonia
- bleach
- blood
- brake fluid
- chlorine
- citric acid
- gasoline
- grease
- hard water
- lime juice
- motor oil
- mustard
- urine
- vinegar

MAINTENANCE AND CLEANING

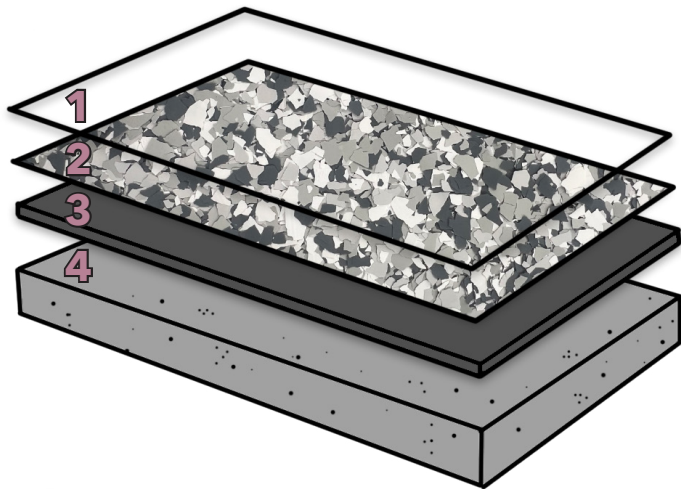
* PACIFICA® Cleaner

Daily Cleaning	Alcohol	Tire Marks	Gum	Oil/Grease	Paint	Tar
*	*	*	*	*	*	*



PACIFICA® 200

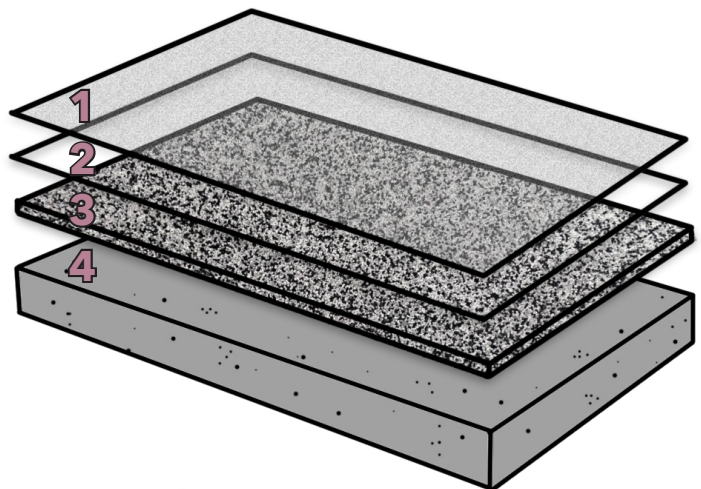
Composite floor covering at 3/16" thick.



- 1 top coat
- 2 color chip broadcast
- 3 base coat
- 4 concrete profiled to CSP3

PACIFICA® 300

Composite floor covering at 3/16" thick.



- 1 top coat
- 2 cap coat
- 3 quartz broadcast over base coat
- 4 concrete profiled to CSP3

PACIFICA® CAN BE INSTALLED OVER

- concrete
- concrete backer board
- plywood
- ceramic tile

CHEMICAL AND STAIN RESISTANT

Protected by a clear coat of Polyaspartic, **PACIFICA® systems** withstand most chemicals, food and alcohol spills, and automotive grease and oil.

LOW MAINTENANCE

For daily cleaning, use KRETUS® Coating Cleaner or similar pH-neutral cleaning product.

PRODUCT GUIDE

PACIFICA® composite floor and wall cove coverings offer multiple hardeners. Before making your selection, consider the job site temperature, MVER, applicator's skill level, and time available for installation. FC hardeners are recommended only for experienced installers or to be used at low temperatures.

Product	PACIFICA BASE 1	
	PART B EZ	PART B FC
Application Temperature	60-90°F <80% RH	40-80°F <45% RH
Working Time	30 min	10 min
Recoat Time	12 hrs	3 hrs
Full Cure	7 days	3 days

Product	PACIFICA TC 1	
	PART A EZ	PART A FC
Application Temperature	<90°F <55% RH	<80°F <35% RH
Working Time	15-25 min	15-20 min
Recoat Time	4-6 hrs	2-4 hrs
Return To Service	18-24 hrs	5-6 hrs
Full Cure	5 days	3 days

*TC 1 Part A FC recommended only when working in <250 sf increments.

Product	PACIFICA COVE 1	
	PART B EZ	PART B FC
Application Temperature	60-95°F	41-85°F
Working Time	25-35 min	15-20 min
Recoat Time	7.5-36 hrs	5.5-24 hrs
Return To Service	24 hrs	10 hrs
Full Cure	7 days	5 days

All times recorded using 1 qt. sample at ambient temperature of 70°F and 50% humidity.

STORAGE AND HANDLING

Store materials in a cool dry place out of direct sunlight. DO NOT mix materials that are warmer than 85°F. DO NOT let water into material.

IDEAL CONDITIONS

Apply material when temperature is decreasing—adhere to the KRETUS® Dew Point Calculation Chart available at kretus.com/pacifica-line. Do not apply under direct sunlight. Do not install if rain is forecasted during time allotted for installation.

- higher temperature and/or humidity = reduced working times
- lower temperature and/or humidity = increased working times

TESTING AND WARRANTY

Before you begin installation, review Pre- and Post-Job Checklists available at kretus.com/project-planning. Test and look for any unknown site conditions and/or defects.

ON-SITE APPLICATION TESTING

To ensure desired results are achieved, the system should be tested in a small area on site.

SAFETY

Review current Safety Data Sheet(s) and all relevant PACIFICA documentation. Safety conditions and personal protective equipment must be considered before mixing or installing any PACIFICA product.

SURFACE PREPARATION

Wall Cove

Before installing any PACIFICA® composite wall cove covering, substrate must be

- (A) Clean: Remove any and all contaminates.
- (B) Profiled: Sand any uneven edges.
- (C) Sound: Remove and replace non-durable surfaces. If water gets behind wall cove covering, it will crack. Make sure that all termination points are sealed with industrial-grade polyurethane-based caulk. Install termination strip that is compliant with current and relevant health codes.

Concrete—when MVER < 25 lbs. (ASTM F1869) and RH < 99% (ASTM 2170)

Before installing any PACIFICA® composite floor covering, substrate must be

- (A) Clean: Remove any and all contaminates.
- (B) Profiled: Mechanically prepare concrete by grinding with 16-grit diamond tooling to ICRI CSP 3. Adhere to ICRI (International Concrete Repair Institute) current standards.
- (C) Sound: Treat all joints (terminations and transitions) and random cracks. Coatings tend to pull away from free edges—termination points (anywhere concrete ends), joints, cracks, gutters, drains.

Ceramic Tile

Before installing any PACIFICA® composite floor covering, substrate must be

- (A) Clean: Remove any and all contaminants.
- (B) Profiled: Mechanically prepare tile by sanding with a 16-grit diamond brush to remove all glaze. Substrate must be porous for floor covering to adhere.
- (C) Sound: Remove any and all loose tile. Treat all joints (terminations and transitions) and random cracks with manufacturer-approved crack and joint repair. Coatings tend to pull away from free edges—termination points (anywhere tile ends), joints, cracks, gutters, drains.

Crack and Joint Repair for Concrete and Ceramic Tile

PACIFICA® composite covering can be installed directly over repairs and cracks smaller than 1/8".

- Drains and gutters: Saw cut and chisel leading edges around drains and gutters to key floor covering into concrete surface. Maintain minimum 2% slope.
- Termination points: Within area to be covered, saw cut 1/4" wide x 1/8" deep joints to anchor the coating along cove termination, thresholds, and 6" from any termination point. Trowel PACIFICA® Base 1 to fill.
- Preferred method for treating moving joint: Small joints may need to be saw cut to 2x the width and 1x the depth. Remove any and all debris. Mark joint location before installation. Apply PACIFICA® floor covering base coat, broadcast, and cap coat. Recut joint and fill with manufacturer-approved polyurethane caulk. Then apply PACIFICA® floor covering top coat.
- Moving crack repair: Saw cut to 2x the width and 1x the depth. Remove any and all debris. Trowel PACIFICA® Base 1 to fill. Lay fiberglass mesh into wet material to saturate. Trowel smooth coat of Base 1 over fiberglass mesh. Wait for recoat window to pass (3-12 hours), before installing PACIFICA® floor covering.
- Non-moving cracks: Saw cut to 2x the width and 1x the depth. Remove any and all debris. Trowel PACIFICA® Base 1 to fill.

Plywood

Before installing any PACIFICA® composite floor covering, substrate must be

- (A) Clean: Remove any and all contaminants.
- (B) Profiled: Sand any uneven edges.
- (C) Sound: Subfloor and plywood should be no less than 1 1/4" thick. Plywood substrate must be 2 layers exterior grade with minimum 5/8" thickness. Subfloor joists must be spaced 16" on center. Replace any and all damaged plywood. Top layer plywood or concrete backer board: Add screw every 8" on edge and 6" in field. Maximum screw length should not go beyond bottom layer. Leave 1/8" joint gap. To ensure top and bottom layer joints do not line up, offset top layer by at least 2".

Joint repair: Apply PACIFICA® Base 1 with trowel. Lay fiberglass mesh into wet material to saturate. Trowel smooth coat of Base 1 over fiberglass mesh. Joints smaller than 1/8" can be sealed with industrial-grade polyurethane-based caulk.

EQUIPMENT CHECKLIST

Safety

- ☐ PACIFICA® Safety Data Sheets
- ☐ air scrubber
- ☐ gloves
- ☐ hard hat
- ☐ knee pads
- ☐ respirator
- ☐ safety glasses
- ☐ safety vest
- ☐ _____
- ☐ _____
- ☐ _____

Mixing

- ☐ variable speed mixing drill
- ☐ mixing blades (Jiffler double-bladed mixer)
- ☐ paint mixing sticks
- ☐ measuring pails
- ☐ 5-gallon metal or plastic mixing pails (<1,000 sf)
- ☐ 20-gallon metal or plastic mixing pails with transport (>1,000 sf)
- ☐ masking/rosin paper
- ☐ cardboard, painter's plastic
- ☐ painter's tape
- ☐ duct tape
- ☐ cooler and ice when temperature exceeds 80° F
- ☐ _____
- ☐ _____
- ☐ _____

Clean-Up

- ☐ acetone/alcohol
- ☐ rags
- ☐ stiff-bristle broom(s)
- ☐ cordless electric leaf blower and extra batteries
- ☐ _____

Additional Tools

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Surface Preparation

- ☐ calcium chloride and pH test kit
- ☐ Wagner Rapid RH® test kit
- ☐ 10-gauge extension cords, 100'
- ☐ HEPA vacuum
- ☐ power source or generator
- ☐ Clarke 17" floor maintainer
- ☐ 17" sanding discs, 36 and 60 grit
- ☐ 17" sanding screens, 80 and 120 grit
- ☐ sanding/rubbing stones
- ☐ concrete grinding equipment
- ☐ diamond tooling
- ☐ _____
- ☐ _____

Application

- ☐ chip brushes
- ☐ blades—equivalent to Midwest Rake® 1/2" wide x 3/8" depth V-notched squeegee and Easy Squeegee, flat flexible and flat rigid
- ☐ trowels—margin, 4" x 12" flat, 1"-radius cove (4" or 6" high)
- ☐ gauge rake
- ☐ spike and loop rollers
- ☐ concrete self-leveling smoothing tool—similar to QEP® Self-leveling Smoother Flooring Float
- ☐ paint accessories—extension rods, frames, and pans
- ☐ roller covers—3/8" nap, non-shed (6", 9", 18")
- ☐ spiked shoes
- ☐ _____
- ☐ _____

PRODUCT CHECKLIST

- ☐ PACIFICA® Base 1 (3-component)
- ☐ PACIFICA® Base 1 Color Pack (1-component)
- ☐ PACIFICA® TC 1 (2-component)
- ☐ PACIFICA® Non-slip 1 (1-component)
- ☐ PACIFICA® Cove 1 (2-component)
- ☐ PACIFICA® Color Grain (1-component)
- ☐ PACIFICA® Color Flex (1-component)
- ☐ PACIFICA® Cleaner (1-component)
- ☐ _____
- ☐ _____

This serves as a general guide and is not a comprehensive list.

MIXING STATION GENERAL OVERVIEW

Organize products, equipment, and tools to minimize delays during installation. For mixing station examples, review KRETUS® Mixing Station photo gallery available at kretus.com/pacifica-line.

Select a well-ventilated area outside of application zone and out of direct sunlight. Ideal mixing station is 4-by-4-feet or larger level surface protected by cardboard or plastic liner.

DO NOT mix or install material in confined space without proper ventilation.

Check and Compare Like Materials

Separate products by type: PACIFICA® Base 1 Parts A, Parts B, Parts C, Color Packs; PACIFICA® TC 1 Parts A, Parts B; PACIFICA® Color Flex, Color Grain, and Non-Slip 1.

- Parts A: Make sure products are clear.
- Parts B: Make sure products have no gelation or crystallization. If this occurs, contact seller.
- Parts C: Make sure material is dry and undamaged. Moisture will cause material to clump. Clumps should be sifted prior to mixing or discarded.
- Color Pack: For each product, check to see that colors are correct and batch numbers are the same. If color is correct but different batch numbers, box (or mix) batches to keep color consistent throughout application. Make sure material is dry and undamaged. Moisture will cause material to clump. Clumps should be sifted prior to mixing or discarded.
- Color Flex: For each product, check to see that colors are correct and batch numbers are the same. If color is correct but different batch numbers, box (or mix) batches to keep color consistent throughout application. Make sure material is dry and undamaged. Moisture will cause material to clump. Clumps should be sifted prior to mixing or discarded.
- Color Grain: For each product, check to see that colors are correct and batch numbers are the same. If color is correct but different batch numbers, box (or mix) batches to keep color consistent throughout application. Make sure material is dry and undamaged. Moisture will cause material to clump. Clumps should be sifted prior to mixing or discarded.
- Non-Slip 1: Make sure material is dry and undamaged.

Only combine products within the same product line. DO NOT mix one product's Part A with a different product's Part B, Part C, or Color Pack. For example, only mix TC 1 Part A EZ or FC with TC 1 Part B.

GENERAL MIXING GUIDE

- For Base 1 or Cove 1 body coat: Use a high-RPM, high-torque drill and Jiffler double-bladed mixer.
- For TC 1 or Cove 1 prime coat: Use a low-RPM, low-torque drill and Jiffler double-bladed mixer.

DO NOT mix materials by hand.

Premeasure components before combining. Mix materials in clean buckets. Use paint stick to scrape sides and bottom of mixture. Change mix buckets every 2-5 batches. Use all material immediately after mix. Buildup on bucket or transfer of buildup to new batch can shorten product's working time.

DO NOT mix more product than can be applied in the working time allotted. DO NOT leave mixed material in mass. REMEMBER more material = more heat. Mixing large batches will shorten a product's working time.

DISCLAIMER: The information contained in this document is intended for use by KRETUS GROUP® qualified and trained professionals. This is not a legally binding document and does not release the specifier from his/her responsibility to apply materials correctly under the specific conditions of the construction site and the intended results of the construction process. The most current valid standards for testing and installation, acknowledged rules of technology, as well as KRETUS GROUP® technical guidelines must be adhered to at all times. The steps given in this document and other mentioned documents are critical to the success of your project.



SYSTEM ACTION GUIDELINE

PACIFICA® 200 COVE

This serves as a general installation guide. Before you begin, review all relevant documents.

NOTE: Install termination strip before cove application. For all applications, do not mix more material than can be used in 10-20 min. For seamless look, apply top coat to cove and floor at the same time.

	1	2	3	4	5	6
	PRIME COAT (Clear)	BODY COAT (Color)	BROADCAST (Color)	SAND	CAP COAT (Clear)	TOP COAT (Clear)
PRODUCT	Cove 1	Cove 1 + CG (Color Grain)	1/4" Color Flex	hand stone, pole sander, or a abrasive wheel	TC 1	TC 1
STANDARD KIT MIX RATIO	A:B: = 1 gal.:1/2 gal.	A:B:CG = 1 gal.:1/2 gal.:1 bag Small batch (recommended): A:B:CG = 1 qt.:1/2 qt.:4-5 qts.	N/A	N/A	A:B: = 1 gal.:1 gal.	A:B: = 1 gal.:1 gal.
MIXING INSTRUCTIONS	Mix A with B for 2 min.	Mix A with B and mix for 2 min. Slowly add CG and mix for 1 min.	N/A	N/A	Mix A with B for 2 min.	Mix A with B for 2 min.
METHOD/ TOOLS	1. Install prime coat with miniroller and/or brush. 2. Use 1"-radius cove, margin, and flat trowel to apply body coat. Use brush and acetone to smooth edges. NOTE: If Prime Coat becomes dry, apply more before installing body coat. 3. Broadcast Color Flex directly into wet body coat.					
RECOAT TIME	Install body coat immediately after prime coat.	Fast- and slow-cure hardeners available. See Product Guide.				
COVERAGE RATE	300-375 lft/kit	60 lft/kit @ 4" 40 lft/kit @ 6"	0.10-0.15 lb./sf	N/A	300-375 lft/kit	300-375 lft/kit

NOTE: Coverage rates for estimating purposes only. Factors such as waste, unusual/abnormal substrate conditions, and other unforeseen jobsite conditions may affect actual product yields and are the responsibility of the installer.



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SYSTEM ACTION GUIDELINE

PACIFICA® 200 FLOOR

This serves as a general installation guide. Before you begin, review all relevant documents.

NOTE: If MVER (moisture vapor emission rate) is higher than 25 lbs. per 1,000 sf in a 24-hour period, contact KRETUS® for moisture control solutions.
Begin cove application before floor application.

	1	2	3	4	5
	BASE COAT (Color)	BROADCAST (Color)	SAND	CAP COAT (Clear)	TOP COAT (Clear)
PRODUCT	Base 1 + BCP (Base 1 Color Pack)	1/4" Color Flex	small areas: pole sander large areas: floor maintainer	TC 1	TC 1 + NS (Non-Slip 1)
STANDARD KIT MIX RATIO	A:B:C:BCP = 8 lbs.:8 lbs.:25 lbs.:4 oz.	N/A	N/A	A:B = 1 gal.:1 gal.	A:B:NS = 1 gal.:1 gal.:16 oz.
MIXING INSTRUCTIONS	Mix A with BCP for 15 sec. Add Band mix for 30 sec. Slowly add C and mix for 2 min.	N/A	N/A	Mix A with B for 1 min.	Mix A with Part B for 1 min. Add NS and mix for 1 minute.
METHOD/TOOLS	Work in 500 sf increments: 1. Apply coating with 1/2"x 3/8" V-notched squeegee and/or 1/8" gauge rake, and loop/spiked roller. Smooth any marks with self-leveling smoothing tool. 2. If using F C hardener, wait 5 min. For EZ hardener, wait 10-15 min. 3. Broadcast media to refusal.	When coat is dry, sand any uneven surfaces. Vacuum and remove any loose material.		Apply with flat flexible blade and backroll with 3/8" non-shed nap roller.	Apply with flat flexible blade and backroll with 3/8" non-shed nap roller.
RECOAT TIME	Fast- and slow-cure hardeners available. See Product Guide.		When loose material is removed and surface is clean.	Fast- and slow-cure hardeners available. See Product Guide.	
COVERAGE RATE	50-60 sf/kit	0.20-0.25 lb./sf	N/A	300-400 sf/kit	750-850 sf/kit

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SYSTEM ACTION GUIDELINE

PACIFICA® 300 COVE

This serves as a general installation guide. Before you begin, review all relevant documents.

NOTE: Install KRÉTUS®-approved termination strip before cove application. For all applications, do not mix more material than can be used in 10-20 min. For seamless look, apply Top Coat to cove and floor at the same time.

	1 PRIME COAT (Clear)	2 BODY COAT (Color)	3 SAND	4 CAP COAT (Clear)	5 TOP COAT (Clear)
PRODUCT	Cove 1	Cove 1 + CG (Color Grain)	hand stone, pole sander, or abrasive wheel	TC 1	TC 1
STANDARD KIT MIX RATIO	A:B = 1 gal.:1/2 gal.	A:B:CG = 1 gal.:1/2 gal.:1 bag Small batch (recommended): A:B:CG = 1 qt.:1/2 qt.:4-5 qts.	N/A	A:B = 1 gal.:1 gal.	A:B = 1 gal.:1 gal.
MIXING INSTRUCTIONS	Mix A with B for 2 min.	Mix A with B and mix for 2 min. Slowly add CG and mix for 1 min.	N/A	Mix A with B for 2 min.	Mix A with B for 2 min.
METHOD/ TOOLS	1. Install prime coat with miniroller and/or brush. 2. Use 1"-radius cove, margin, and flat trowel to apply body coat. Use brush and acetone to smooth edges. NOTE: If prime coat becomes dry, apply more before installing body coat.		When coat is dry, sand any uneven surfaces. Vacuum and remove any loose material.	Apply with brush and smooth with 3/8" non-shed nap roller.	Apply with brush and smooth with 3/8" non-shed nap roller.
RECOAT TIME	Install body coat immediately after prime coat.	Fast- and slow-cure hardeners available. See Product Guide.	When loose material is removed and surface is clean.	Fast- and slow-cure hardeners available. See Product Guide.	
COVERAGE RATE	300-375 lft/kit	60 lft/kit @ 4" 40 lft/kit @ 6"	N/A	300-375 lft/kit	300-375 lft/kit

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SYSTEM ACTION GUIDELINE

PACIFICA® 300 FLOOR

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NOTE: If MV/ER (moisture vapor emission rate) is higher than 25 lbs. per 1,000 sf in a 24-hour period, contact KRETUS® for moisture control solutions.
Begin cove application before floor application.

	1	2	3	4	5
	BASE COAT (Color)	BROADCAST (Color)	SAND	CAP COAT (Clear)	TOP COAT (Clear)
PRODUCT	Base 1 + BCP (Base 1 Color-Pack)	Color Grain	small areas: pole sander large areas: floor maintainer	TC 1	TC1
STANDARD KIT MIX RATIO	A:B:C:BCP = 8 lbs.:8 lbs.:25 lbs.:4 oz.	N/A	N/A	A:B = 1 gal.:1 gal.	A:B = 1 gal.:1 gal.
MIXING INSTRUCTIONS	Mix A with BCP for 15 sec. Add B and mix for 30 sec. Slowly add C and mix for 2 min.	N/A	N/A	Mix A with B for 1 min.	Mix A with B for 1 min.
METHOD/TOOLS	Work in 500 sf increments: 1. Apply coating with 1/2"x 3/8" V-notched squeegee and/or 1/8" gauge rake, and loop/spiked roller. Smooth any marks with self-leveling smoothing tool. 2. If using FC hardener, wait 5 min. For EZ hardener, wait 10-15 min. 3. Broadcast media to refusal.		When coat is dry, sand any uneven surfaces. Vacuum and remove any loose material.	Apply with flat rigid blade and backroll with 3/8" non-shed nap roller.	Apply with flat rigid blade and backroll with 3/8" non-shed nap roller.
RECOAT TIME	Fast- and slow-cure hardeners available. See Product Guide.		When loose material is removed and surface is clean.	Fast- and slow-cure hardeners available. See Product Guide.	
COVERAGE RATE	50-60 sf/kit	1 lb./sf	N/A	150-200 sf/kit	750-850 sf/kit

NOTE: Coverage rates for estimating purposes only. Factors such as waste, unusual/abnormal substrate conditions, and other unforeseen jobsite conditions may affect actual product yields and are the responsibility of the installer.

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