

# Arapido

sprayable polished concrete microtopping



## DESCRIPTION

Arapido is a Portland cement based sprayable concrete microtopping (also called micro-cement) which is a part of the Terrazzi Sprayable polished concrete system. It can be used on horizontal and vertical surfaces as well as interior and exterior surfaces. Typically, it is integrally colored with Aquacolors but it also readily accepts concrete dyes and stains.

## ADVANTAGES

- Unique sprayable polished concrete
- Bonds to various hard-wearing surfaces
- Accepts various coloring methods
- Tremendous speed of installation
- Cost effective means of achieving polished concrete look

## SUBSTRATE REQUIREMENTS

- Clean the areas and remove all unsound concrete, grease, oil, paint, asphalt, tar and any other foreign materials that will inhibit performance.
- Substrates must be stable, solid and structurally sound.
- Substrate must be mechanically profiled by shot-blasting, sand blasting or scarifying to achieve a CSP 4 to CSP 5.
- For applications over cutback adhesive residue, wood surfaces, non-porous substrates such as terrazzo, ceramic and quarry tile, burnished concrete, epoxy coatings, painted surfaces and metal, please contact Duraamen's technical staff.
- Movable expansion or control joints must be reflected through Arapido.
- Prior to priming allow surface to dry thoroughly to prevent dilution of the primer.
- On or below grade installation must have an efficient vapor barrier under the slab (minimum 10-15 mil).
- Moisture vapor transmission must be less than 3lb per ASTM F1869 and less than 80% RH per ASTM F2170 unless Duraamen moisture mitigation system is used.

NOTE: When removing existing flooring, any asbestos containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

## COLOR

White only.

## INSTALLATION STEPS

### PRIMING

- Prime all the surfaces with CP1000 acrylic activator. DO NOT DILUTE CP1000. It must be applied over entire substrate that is at least at 10°C
- Apply with a garden sprayer, and then spread with a broom or mop to assist complete coverage and penetration.
- Two coats of primer are essential. The first coat should be applied the day prior to installing the overlay, then the second on commencing next morning. Once the milky look has completely disappeared the surface is ready for Arapido.
- Installing Arapido before the second coat is dry-to-touch may result in bleed and varying white marks on the finished surface.
- For two primer coats allow 19L of CP1000 per 93m<sup>2</sup>. However this amount can vary considerably according to surface porosity.

NOTE: An incorrectly primed surface may result in pinholes in the Arapido and cause accelerated and incomplete hydration. The overlay must be no longer than 4 hours after the application of second coat.

### MIXING & INSTALLATION

- Place CP1000 into clean garbage can for easy access. Always activate Arapido with pure CP1000.
- Arapido liquid levels are adjustable +/- 10%. However, remember to be consistent. We recommend 4.6 liters of CP1000 to activate 1 pail of Arapido.
- Using the liquid measuring bucket (pre-cut to 4.6 liters), dip and fill to the pre-cut level and pour into a clean 6ga mixing bucket.
- Add integral colors (Aqua Color) if required into a 5ga mixing bucket and spin for 2-5 seconds.
- Place 2/3rd of Arapido powder into the mixing bucket and spin with liquid for 30 seconds using a slow speed drill and paddle attachment.
- Place remaining powder into the bucket and mix thoroughly for 60 seconds to disperse all ingredients to a pourable consistency. The volume of liquid added is very critical, always use the measuring bucket provided and slightly adjust if necessary with +/- small measuring cup.

NOTE: Arapido can be used over long periods of time, re-temper by adding a small amount of CP1000 if necessary. However, this could cause a color shift.

- Arapido is usually applied in one or two thin coats using a

Terrazzi Sprayer. Contractors should perfect their finishing techniques to produce the desired surface.

- Ensure a random pattern by using the spray gun in a random fashion and by randomly broadcasting the Cast-on.
- When applying multiple coats, allow each coat to dry, and then repeat the application. The drying time between coats depends on the ambient temperature; normally 4–6 hours or once the surface has an even dried colored appearance. Mist with a light application of CP1000 to dampen surface if second coat is applied next day.
- Curing will depend on the ambient temperature and weather conditions. During the summer months Arapido is ready for light foot traffic in 12 hours after the second coat has been sealed. Heavy traffic may require up to 2 days curing depending on temperature.

## SEALING

Wait at least 24 to 48 hours before sealing with water based acrylic, epoxy or polyurethane topcoats.

## LIMITATIONS

Do not install Arapido at temperatures below 7°C or if temperature is expected to drop below 7°C within the following 24 hours. Excessive addition of CP1000 in Arapido will cause white bleed marks in the final floor surface. Objects placed and left on the surface for more than 2 days could cause a ghosting effect. Shell life: 6 months.

## CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

## COVERAGE

18.58m<sup>2</sup>. per pail per coat

## WARRANTY

Information regarding Duraamen products is based upon extensive research provided by the supplier of the raw materials. By making such information available, Duraamen International FZ-LLC. does not assume any liability beyond express terms of our standard limited material warranty. Duraamen International does not warrant the accuracy or completeness of any such information, whether conveyed orally or in writing, but to the best of our knowledge believe it to be accurate. We reserve the right at any time and without notice to update or improve our products and process for the intended use or application. Duraamen International (Duraamen) warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Duraamen. If any product fails to meet this warranty, the liability of Duraamen will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Duraamen within 1 (one) year of delivery of materials. Duraamen may in its discretion refund the price received by Duraamen in lieu of replacing the material. No customer, distributor, or representative of Duraamen is authorized to change or modify the published specifications of this warranty in anyway. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Duraamen reserves the right to inspect the non-conforming material prior to replacement EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

## MAINTENANCE

After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Properly sealed Arapido is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smartgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

## TECHNICAL SERVICE

Duraamen International FZ-LLC. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

## TECHNICAL DATA

Flammability (ASTM E84)	
Flame Spread Fuel	0
Contribution Smoke	0
Development	0
Compressive Strength (ASTM C 109)	
28 days	295kgf/cm <sup>2</sup>
Shelf life	6 months