



## **ARAPIDO**

### *Technical Data*

#### **Arapido**

Is a cement based compound that is applied with a SST Concrete Sprayer providing a new smooth concrete surface that can be sanded and sealed to resemble a burnished/polished concrete floor. Combining the Arapido cementitious powder with pure CP2008 acrylic activator, produces a versatile and excellent wearing smooth concrete surface ideal for both interior and exterior hard surface applications. During the spray application a combination of aggregates (TERRAZI) are broad cast onto the wet surface providing both aesthetic qualities and durability. The following day the new surface is sanded and made ready for sealing.

#### **Use**

Arapido's versatility provides an excellent fast solution for integrally colouring interior or exterior concrete transforming existing worn concrete into a new surface. Various cast on aggregates such as glass and marble chip once polished provide the Terrazi finish. The spray application allows Arapido to be used for resurfacing and colouring textured stamped concrete with out losing the stone profile, plus ideal for vertical application especially where moisture is an issue as the material produces' a breathable surface. **Arapido** has been designed to accept Colormaker secondary coloration systems such as, Patinaetch, Deso Dye and Aquacolor. Arapido is available in grey or white base and can be integrally custom coloured on site with SST MICRONISED PIGMENT Aquacolor.

#### **Features**

1. Superior abrasion resistance
2. Excellent bond strength
3. Freeze thaw stability
4. Breathable surface
5. Easy spray-on application

#### **Surface Preparation**

The surfaces must be structurally sound, clean and free of dust, dirt and all contaminants, especially drywall residue, mould and mildew, curing compounds. Power scrub interior areas with a floor maintainer using an abrasive black stripper, then wash and rinse clean plus wet-vacuum dry. Allow surface to dry completely before priming, When necessary patch or scratch coat floor to fill and restore to flat surface prior to installing Arapido, certain floors will require self levelling. Prime all

surfaces with CP2008Acrylic activator as per the following guidelines.

#### **Priming with CP2008**

##### **DO NOT DILUTE.**

Apply CP 2008 with a floor finish applicator. DO NOT WALK ON WET PRIMED SURFACE. Two coats are essential. First coat should be applied night prior to installing the Arapido. The second coat can be applied the following morning. After milky look has completely dried (2 hours) the surface is ready for installation of the new surface. Placement of Arapido before second coat is touch dry may result in bleed or foot prints on finished surface. Allow 20L of CP2008 to prime 1,000 square feet with two coats; however, this will vary considerably according to surface porosity. An incorrectly primed surface may result in pinholes in topping and cause incomplete hydration of product. Overlay must be installed no later than 8 hours after second coat of primer has been applied.

## Mixing

### Step 1.

Place CP2008 into a clean garbage can or large 20L pail for easy access. Always activate Arapido with pure CP2008 - NO WATER.

### Step 2.

Using a Colormaker measuring bucket which has been pre cut to 4.6L, dip and fill to the pre cut liquid level and pour into a clean 20L mixing pail. The total amount of liquid required is 4.6L.

**NOTE: Arapido** liquid levels are adjustable +/- 10%. However, remember to be consistent. We recommend 4.6L of CP2008 to activate each pail of Arapido.

### Step 3.

Add Aquacolor if desired, into the mixing pail and spin for 5-15 seconds.

### Step 4.

Place 2/3 of Arapido powder into container and spin with liquid for 30 seconds using a slow speed drill and paddle attachment.

### Step 5.

Place remaining powder into the container and mix thoroughly for 60 seconds to disperse all ingredients to form a smooth consistency suitable for pouring. Consistency should be that of paint and should drip off the mixing paddle readily.

## Application

Arapido can be applied in one coat as long as the floor has been patched and sanded prior, otherwise surface imperfections will show. Contractors should perfect their spraying techniques beforehand to produce desired surface. Spray using a sweeping arc pattern without starts or stops. Keep a wet edge and blend from one area to the next in order to avoid leaving hard lines. Ensure a random pattern by rotating and varying your spray action. When applying multiple coats, allow first coat to dry completely and then repeat the application. Drying time between coats is dependant upon ambient temperature; normally a minimum of 5 hours or once the surface has an evenly dried and or coloured appearance. It will be necessary to apply a light coat of CP2008 and allow it to dry between applications of Arapido.

## Casting TERRAZI Aggregates

During the spraying process terrazi aggregates can be broadcasted on, perfect casting technique never cast directly at floor, cast out at 90 degrees and allow to settle.

## Sanding/polishing

Once the surface has sufficiently hardened (minimum 24 hours) the surface can be diamond polished using SST Dry diamond sanding pads. These are place on the bottom of a 17 floor maintainer and are attached to a white floor pad, the velcro will hold them in place.

## Curing

Dependant upon ambient temperature and weather conditions. During summer months Arapido is ready for light foot traffic 12 hours after the new surface has been sealed. Heavy traffic areas may require up to two days curing depending on temperature.

## Sealing:

Surface must be dry and dust free before application of Colormaker brand sealers; Texture Seal, Custodian or Deco Seal Supreme. Use an airless pump sprayer to apply a thin first coat For the second coat spray and back wipe, thus ensuring a continuous membrane is formed. Care must be taken so that sealer is not allowed to form pools or puddles. Sealer should be at least 6 hours dry between coats especially with the water based sealer. Installation of sealers will vary but typically a minimum of two coats are required. On interior applications two coats of Uro Finish should be applied, in addition to a yearly maintenance coat.

## NOTE:

When using Texture Seal on cementitious toppings, wait 5 days before sealing so as not to cause softening of the cementitious overlay. Dilute 1:1 with acetone and apply using a pump up sprayer and apply very thin coats.

**Coverage**

**Arapido** sprayed concrete coverage rate:

One 8.16KG pail covers approximately +/- 25 m2.

**Limitations**

Do not install on hot, dry, windy days.

Do not apply to frozen or wet surfaces. Surface temperatures should not fall below 10°C) or rise above 30°C during installations. During cooler months moisture should not contact overlay for a minimum of 24 hours. Full curing takes 28 days.

**Warranty**

Arapido is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. The sellers and manufacturers obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.

**Health Caution**

There could be irritation to the eyes and skin. Contains Portland Cement. The product is alkaline on contact with water. During mixing and application avoid contact with eyes. In case of contact, flood eyes repeatedly with water and **Call a Physician**. Avoid prolonged contact with skin.

Smart Surface Technology Inc.

11568 Eburne Way, Unit #113 Richmond BC V6VOA7 TEL: 604- 322-3324, FAX: 604-322-3325

[www.colormakerfloor.com](http://www.colormakerfloor.com)