

# TECHNICAL INFORMATION

## ACRITEK AQ 5410

511-05410-000



### DESCRIPTION

Acritek AQ 5410 it's a water-based floor coating, specially formulated to create anti-slip surface and also has an excellent abrasion and weather resistance.

### USE

Apply over concrete or fiber cement indoors or outdoors. This product can be applied over concrete floors like boardwalks, terraces or corridors having a moderate pedestrian transit.

<b>Structure</b>	Floor or roof slabs, balconies, roofs
<b>Interior/Exterior</b>	Indoors, Roofed outdoors, Outdoors
<b>Superficie</b>	Concrete, Fiber cement, cobblestones
<b>Línea</b>	Arquitectural

### PROPERTIES

#### SPECIAL PROPERTIES

Appearance	Matte
Hiding Power	● ● ● ● ○
Weather resistance	● ● ● ● ○
Breathability	● ● ● ● ○

#### PHYSICAL PROPERTIES

DAT

Solids by weight (%)	63 – 65
VOC (volatile organic compounds) (g/l)	0.0
Weight per gallon (kg/gal)	5.60 – 5.80
pH	7 – 9
Solids by Volume (%)	46 – 48
Stormer Krebs viscosity (Ku)	100 – 110
Theoretical Yield (m <sup>2</sup> /gallon)	70m <sup>2</sup> @ 1 mil

Definition of theoretical yield: Maximum surface that can be covered with a painting under ideal conditions. Practical yield varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254mm.

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



This data was measured from white paint, there can be a slight change in values for other colors, especially in the percentage of VOCs.

Rating is from 1 to 5, where 5 is better

### CONTAINERS and COLORS

#### PRESENTACIONES DISPONIBLES

1 gallon can (3.785 Lt.)

#### AVAILABLE COLORS

Available in Chart Colors

### SURFACE PREPARATION

#### CONDITION

#### INSTRUCTION

#### Surface Cleaning

Before applying, remove any dirt, such as dust, grease, or other contaminants, as they can affect the adhesion or performance of the finish.

Remove loose or peeling old paint film with the appropriate tools, and smooth uneven spots left by old coats of paint.

#### Concrete

All new surfaces must be fully cured, usually about 30 days (setting time), dry and clean.

#### Cracks

Make a V-shaped cut, about 1.5 cm depth and dry clean it.

Prime the surface with ETIBOND CONCRET 550 (23550-720/23551-900). And finally, fill out the cut with MORTERO DE REPARACIÓN MR 520 (39520-720).

Let this mortar cure and dry for at least 8 days before applying this coating.

Important: For cracks wider than described, refer to our web-based Virtual Assistant or request an assessment from our Technical Service.

#### Capillary moisture

Do not apply this coating on surfaces with a moisture content over 70%.

#### Mild concrete dusting

Remove all loose or dusting layer until reaching a solid, sound substrate with adequate roughness, so it offers a proper anchor pattern for the products to be applied.

Then, dust thoroughly and apply MORTERO PARA NIVELACIÓN DE PISOS 39820-720 or PEGASUR MC 39225-720.

Let this mortar cure and dry for at least 15 days before applying this coating.

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Note: this mortar layer should be applied to a minimum thickness of 2 mm and a maximum of 6 mm. If this thickness is not met, request the assessment of our Technical Service, who will indicate the appropriate process to follow.

### Mildew, Mold

Apply **SOLUCIÓN FUNGICIDA 334-900** (Antifungal Solution), let on the surface for some 20 minutes. Rinse with enough clean water and scrub the area.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 511-05410-000, ACRITEK AQ 5410	100%	Stir well before use
Diluent: CLEAN WATER	10% - 15%	

### PRODUCT APPLICATION

#### APPLICATION TOOL

Airless                      Air spray (gravity or suction feed)                      Roller

#### Roller application

Microfiber or splatter free roller felt.

Smooth Surface: 3/8" or 1/2" felt.

Rough surface: 3/4" felt

#### Conventional air spray application

Nozzle	1.3 mm
Pressure	35 psi

#### Airless Application

Nozzle	0.38 mm (0,015") - 0.43 mm (0.017")
Pressure	1500 psi

#### Application conditions

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Do not apply on hot surfaces or directly exposed to sunrays, paint will evaporate too soon, compromising leveling, adhesion and durability.

Do not apply this product when relative humidity exceeds 85%, under rain or with clear possibility that it will rain in a short time, as it would alter some characteristics of the application or the performance of the product.

### Number of layers and thickness

Dry Film Thickness	1 mil
Number of Coats	At least 2

### DRYING TIMES

Touch-Dry	30 minutes
Time to recoat	2 hours
Full drying time	5 - 7 days

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% ambient humidity). These times are dependent on temperature, moisture, film thickness and dilution.

### Note

Use a brush only to touch-ups or for edges

### OBSERVACIONES

- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place.
- ✓ If you'll use more than one container, mix them in advance to make up for any color differences.
- ✓ Do not wash a painted surface with abrasive detergents, it is better to use liquid detergent with water and soft sponge.
- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>

### HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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