

# **ASAHIGUARD**

for Stone and Tile

**Rock-Solid Stain Protection** 







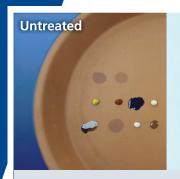


### **Rock-Solid Stain Protection**

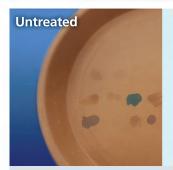
Decorative and functional stone and tile add aesthetic value throughout both the interior and exterior of building structures. Countertops, flooring, patios, walkways, walls, hearths, backsplashes, fireplaces, and pool aprons are just a few of the applications that incorporate these materials and add value to any property.

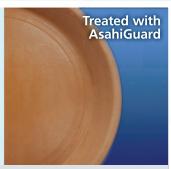
AsahiGuard<sup>TM</sup> for Stone and Tile, now available from AGC Chemicals, provides the broadest and most effective deterrent to liquid stains that can spoil the appearance of both porous and polished stone and tile. AGC Chemicals is a leading global supplier of a wide array of high performance fluorochemicals, including resins, compounds, elastomers, specialty chemicals and materials.

AsahiGuard for Stone and Tile is a line of high-performance fluorinated water and oil repellents providing protection against food, beverage, oil, and water spills. The products use environmentally-friendly fluoropolymers dispersed in water to repel liquids by forming a low-energy surface coating on the material to which it is applied. The coated surface becomes energetically favorable to resist and repel most common stains.









**Terra Cotta** 

Terra Cotta: Washed with mild dish soap

### **Benefits and Attributes**

- Surface protection against stains
  - Gives longevity and durability to surfaces
  - High performance sealant with one application
    - Factory or field applied with brush or roller
      - Non-flammable, non-corrosive
        - High compatibility
          - Improves aesthetics
            - Non-odorous
            - Breathability

### **Tech Center**

Fully equipped Technical Service Center providing a variety of services and testing including:

- Oil/water repellency
- Stain resistance
- Cleanability
- Formulation recommendations and development
- On-site suport for product trials

### **Stain Repellency Results**

Polished	Beac	Red Wife Cottee Interact				etchup Sh	ue hit	ayonnaise	otor Oil	×°	intan Lotic	in Sum	%Easy Clean	
	Water	Oil	66	ی / تع	, 41	is, to	e" 😽	, th	. 4	5/ 5	oda su	0	Sum	Factor
Untreated	3	1	3	2	3	3	3	1	0	2	1	0	18	55%
AG-E01ST/MS	3	2	2	1	2	2	2	1	0	2	1	0	13	68%
AG-E03ST/MS	3	3	2	1	2	2	2	1	0	2	1	0	13	68%
AG-E03ST/H2O	4	3	1	0	1	1	1	0	0	1	1	0	6	85%
AG-E11ST/H2O	4	3	1	1	1	1	1	1	0	1	0	0	7	83%
AG-E06ST/H2O	3	2	2	1	2	2	1	1	0	2	1	0	12	70%

Porous	Beading		Repellency		Red Mire Coffee Mustard Leading Street Mayor asset Cold Scharter Olive Oil										eoil ,	%Easy Clean
	Water	Oil	Water	Oil	60	ی / تع	1	s. \ f	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	12 41	3, 4	ر ۱۹	S. 21	ii.\ oii	Sum	Factor
Paver																
Untreated	0	0	0	0	1	0	0	0	4	1	3	0	3	2	14	65%
AG-E01ST/MS	4	4	8	4	0	0	0	0	2	0	1	0	1	1	5	88%
Saltillo (Terra Cotta	a)															
Untreated	0	0	0	0	1	3	4	3	4	4	4	0	4	4	31	23%
AG-E01ST/H2O	5	3	8	6	0	0	0	0	1	0	2	0	0	1	4	90%
AG-E02ST/H2O	4	3	8	6	0	0	0	0	1	0	1	0	1	0	3	93%
AG-E03ST/H2O	3	3	8	6	0	0	1	0	1	0	1	0	1	0	4	90%
AG-E04ST/H2O	4	3	8	6	0	0	0	0	1	0	0	0	2	1	4	90%

%ECF = Easy Clean Factor =  $(40 - \Sigma \text{ scores}) / 40 \times 100\%$ 

MS = Odorless Mineral Spirits

#### **Data Score Keys Water Repellency Oil Repellency** Chart Score = Highest Liquid That Does Not Penetrate Chart Score = Highest Liquid That Does Not Penetrate Excellent Contact Angle 100-120° 5 DI Water (% Vol.) Test Solution # Tension (mN/m) Test Solution # Tension (mN/m) Isopropanol Description (% Vol.) Very Good Contact Angle 75-90° 4 59.0 100% Mineral Oil 98 31.5 49.8 65% Mineral Oil/35% n-Hexadecane 2 95 29.2 3 90 10 41.6 3 n-Hexadecane 27.3 Good Contact Angle 45-75° 3 80 20 32.5 n-Tetradecane 26.2 5 70 30 27.4 n-Dodecane 24.2 Fair Contact Angle 25-45° 40 6 60 25.4 6 n-Decane 23.6 2 7 50 50 24.5 n-Octane 21.8 8 40 60 24.0 n-Heptane 19.7 9 30 70 23.4 Contact Angle 10-25° 10 20 80 22.7 11 10 90 21.9 Penetration 100

**Stain Rating** 2 3 4 **Performance** Slight stain perceptible Visible stain Stain with a clearly defined outline, but not **After Drying** Stain with No visible Deep stain that without clearly defined a clearly defined outline, deep clearly penetrated the frabric stain outline very deep in color in color to substrates

### AGC Chemicals Company AGC Inc.

Shin-Marunouchi Bldg., 1-5-1 Marunouchi Chiyoda-ku, Tokyo, 100-8405 Japan Tel: +81-3-3218-5438 www.agc-chemicals.com

### AGC Asia Pacific Pte., Ltd.

460 Alexandra Road, #32-01 PSA Bldg., Singapore, 119963 Tel: +65-6273-5656 www.agc-asiapacific.com

## AGC Chemicals Trading (Shanghai) Co., Ltd.

Room 2701-2705, Metro Plaza 555 Lou Shan Guan Road Chang Ning Ward, Shanghai, China 200051 Tel: +86-21-6386-2211 www.agcsh.com

### AGC Chemicals (Thailand) Co., Ltd.

24th Floor, Bangkok Insurance Bldg 25 South Sathorn Road Kwang Tungmahamek Khet Sathorn Bangkok 10120, Thailand Tel: +66-2-679-1600 www.acth.co.th

#### **AGC Chemicals Europe, Ltd.**

PO Box 4, York House Hillhouse International Thornton, Cleveleys Lancashire FY5 4QD, UK Tel: +44-(0)-1253-209-600 www.agcce.com

### AGC Chemicals Europe, Ltd. Commercial Centre

World Trade Center, Zuidplein 80 1077 XV Amsterdam, Netherlands Tel: +31-(0)-20-880-41-70 www.agcce.com

### **AGC Chemicals RUS**

Russian Federation, 121596 Moscow, Gorbunova Street 2, Grand Setun Plaza, Bldg. 204, BC 5th Floor, Block B, Office B 504 Tel: +7-918-555-34-37 www.agcce.com

#### AGC Vidros do Brasil Ltda.

Al. Ministro Rocha Azevedo, 38, 10° andar, cj 1004 Cerqueira César São Paulo, SP, Brasil CEP 01400-000 Tel: +88-11-3373-9981 www.agcchem.com





### **AGC Chemicals Americas, Inc.**

55 E. Uwchlan Avenue, Suite 201 Exton, PA 19341 United States of America

Telephone: +1 610-423-4300 Toll Free (US only): 800-424-7833 Fax: +1 610-423-4305

### www.agcchem.com

Visit our website for compliance information and industry certifications.

The information provided herein is related only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process.

NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER.

The user of this product has the sole responsibility to determine the suitability of the product for any use and manner of use intended. This document may be revised after its issuance, and the user is advised to use the latest revision.