

F-tone GMW-605

Water Based Stone
Protector with Oil, Water
and Stain Repellency

Characteristics

GMW-605 is an aqueous fluorochemical material solution developed using Daikin proprietary technology. GMW-605 is based on C-6 hybrid fluoroalkyl technology.

GMW-605 can protect various stone and tile surfaces against ordinary and aggressive soiling, e.g. oil stains, food, liquid spillage (red wine, ink, coffee etc.), and effluents from industrial waste.

GMW-605 is used in water-based penetrating sealers for stone and other porous surfaces such as wood and concrete.

Properties*	Value
Appearance	Brownish-yellow suspension
Analysis	25 mass% active solids
Specific gravity	Approx. 1.1 at 25°C (77°F)
PH value	4.5 - 5.0
Flash point	None
Solubility	Readily dissolves in cold water

*Typical properties are not suitable for specification purposes.

Performance (Test Result/Stone):

Preparation: Dilute 1 part GMW-605, in approximately 11 parts DI water (2 mass%) and 9 parts water (3 mass%).

Apply to the substrate by brush at approximately 200 g/m². Allow to dry for approximately 24 hours at room temperature.

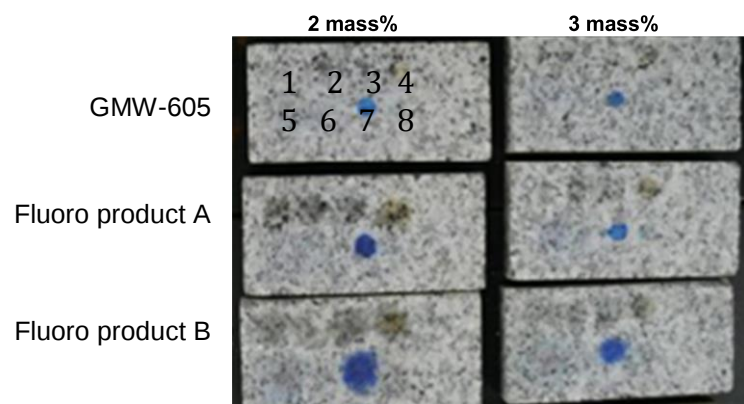
Evaluation: Olive oil, salad oil, red oil and motor oil, red wine, coffee, gargle and blue ink were placed on the treated substrate. After 24hrs, the substrates was washed by water without detergent and allowed to dry.

The remaining stains were rated: 5 = no stain, 4 = very light stain, 3 = light stain, 2 = moderate stain, 1 = heavy stain (same as untreated).

Result of Stain test

Substrate: Granite Unpolished

Stain	GMW-605		Other Fluoro product A		Other Fluoro product B	
	2 mass %	3 mass%	2 mass%	3 mass%	2 mass%	3 mass%
1. Olive oil	5	5	2	4	2	3
2. Salad oil	4	4	2	3	2	3
3. Red oil	4	5	2	3	1	3
4. Motor oil	4	4	2	3	2	3
5. Red wine	5	5	4	3	3	3
6. Coffee	5	5	4	4	4	4
7. Blue ink	3	3	2	3	1	2
8. Gargle	4	4	4	3	4	3
Total	34	35	22	26	19	24



Regulation

GMW-605 is registered with U.S. TSCA.

Shipping and Storage

Non-Red Label (Non-flammable material)

GMW-605 should be stored at temperatures between

-5°C (23°F) and 40°C (104°F)