

# Keep Your Building Material Looking Its Best



## Dow Corning® 6706W and 6707W Penetrating Stain Repellents Features and Benefits

- Repel water and oil without altering surface appearance
- UV-stable for increased treatment life
- Chemical bonding to most construction substrates
- Good surface penetration
- Maintain water vapor permeability
- Decreased water absorption reduces cracking and spalling
- Make surfaces easier to clean
- Easy application

\* NOTE: Dow Corning 6706W and 6707W Penetrating Stain Repellents do not provide anti-graffiti properties.

## Dow Corning® 6706W and 6707W Penetrating Stain Repellents

Environmental factors such as water, oil, stains, and sunlight can have harmful effects on construction materials by damaging surfaces, reducing aesthetic value, and increasing maintenance costs. This is especially true of porous materials – concrete, natural stone such as sandstone and limestone, pavers, mortar, and grout. Commercial sealants can offer some protection, but often do not last or can change the original appearance of the substrate.

## Surface Protection, Easy Maintenance, and Improved, Long-lasting Appearance

By using Dow Corning's new family of penetrating stain repellents as a post treatment, you can now provide durable water and oil repellency to these materials without affecting their appearance. The small molecular size of *Dow Corning® 6706W* and *6707W Penetrating Stain Repellents\** allows them to penetrate easily into the material surface where they chemically bond to most construction substrates, creating a strong and durable layer of protection. Application is fast and easy with a low-pressure spray, brush, or roller.

The hydrophobic properties of these stain repellents reduce water absorption and the resulting cracking and spalling that can occur due to freeze-thaw cycles. Because they are UV-stable and also maintain good water vapor permeability, your projects will benefit from improved, long-lasting appearance and easy ongoing maintenance.

## Dow Corning 6706W and 6707W Penetrating Stain Repellents: Environmentally Sensitive Protection

*Dow Corning 6706W* and *6707W Penetrating Stain Repellents* are aqueous-based fluorosilane post treatments that provide environmentally sound water and oil repellency to construction materials. Treated substrates retain both water vapor permeability and their original appearance with reduced dirt pick-up and subsequently easier cleaning processes.

The 6706W Stain Repellent is a ready-to-use product. The 6707W Stain Repellent is a concentrate that can be diluted to a maximum ratio of one part product with five parts soft water. Both products are solvent-free and will not damage glass, metal, wood, and most plastics.

### Typical Properties

Property	Unit	Value
Color		Milky white
Flash Point	°C (°F)	>100 (212)
pH Value		4
Specific Gravity at 25°C (77°F)	g/cm <sup>3</sup>	1.0

### Select Testing Data

The table below shows staining affects for two hours and after cleaning with cold water.

1 = no stain; 5 = defined stain

Substrate	Staining Product				
	Olive Oil	Ketchup	Cola	Red Wine	Coffee
Porous sandstone	1/2/5	1/2/3	1/1/1	3/3/5	3/2/5
Dense sandstone	1/1/5	1/1/3	1/1/3	2/2/5	1/1/5
Limestone	2/2/5	1/1/3	1/1/2	3/3/5	2/2/3
Break slip	1/1/5	1/1/2	1/1/1	1/1/2	1/1/2
Mortar BS5838	1/2/5	1/1/2	1/1/1	1/3/3	1/2/3

(6707W – 15% as supplied / 5% 2:1 dilution / Control – no treatment)

## Innovative Solutions from a Company You Can Trust

Whether you want to add water repellency, increase durability, reduce your environmental footprint, or enhance your project aesthetics, Dow Corning's Building Materials Protection group has innovative solutions that can help. We've brought value as a trusted ally to the construction industry for over 30 years. Our staff of technical experts can help you find a product or application solution that will meet your needs exactly.

Dow Corning develops and supplies high-quality silicon-based technologies for customers of all sizes. With production and warehousing facilities in the Americas, Europe, and Asia, we can provide reliable supply and service anywhere in the world.

## Learn More

For expert advice on how to use *Dow Corning* 6706W and 6707W Penetrating Stain Repellents, contact your Dow Corning Technical Representative, or e-mail [technical.info@dowcorning.com](mailto:technical.info@dowcorning.com). To learn more about Dow Corning's family of penetrating stain repellents, visit [www.dowcorning.com/antistains](http://www.dowcorning.com/antistains).

## How to Contact Us

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