



Consumer Solutions

DOWSIL™ 2418 Release Emulsion for Concrete Release

Silicone Expertise from Dow

Silicone Alkylaryl Fluids and Emulsions: Meeting Release Needs in the Production of Decorative Concrete Parts

Concrete blocks, molds and castings are increasingly used for decorative masonry construction. They can eliminate laborious construction processes and reduce the transportation and storage of raw materials and equipment. This saves time and energy at the construction site, which adds up to real cost savings.

Silicone-based alkylaryl fluid emulsions such as DOWSIL™ 2418 Release Emulsion provide excellent release for molded concrete. However, they do not affect the ability of the concrete pavers and other parts to be painted or coated. And the high stability of the emulsions with respect to dilution and shear means they are easy to work with.

Effective Concrete Release from Rubber Molds

DOWSIL™ 2418 Release Emulsion is a solvent-free, water-based emulsion of a silicone alkylaryl fluid with proven performance in release applications for concrete paver blocks. It shows improved release properties over solvent-based silicone oils for rubber molds. Typically, DOWSIL™ 2418 Release Emulsion is diluted to 2% emulsion in water (by weight) prior to use.



With the use of DOWSIL™ 2418 Release Emulsion, fewer paver blocks are damaged when they come out of the mold. That means higher productivity and higher ability to deliver to customers on time. With fewer damaged blocks, there is less concrete wasted, leading to less concrete to dispose of, providing real savings.

Providing Real Silicone Solutions With Materials, Choices, Expertise and Support Available Worldwide

Dow is a world leader in silicones, silicon-based technology and innovation that provides more than 7,000 performance-enhancing solutions to more than 25,000 customers worldwide. We work closely with our customers to seek innovative solutions that can help improve their operations and differentiate their products.

Our Performance Chemicals group supports the oil and gas, agrochemical,

auto care, and chemical and general industrial manufacturing industries with silicone-based performance-enhancing solutions, including raw materials, release agents, antifoams and surfactants.

Advantages of DOWSIL™ 2418 Release Emulsion:

- Easy-to-use, solvent-free aqueous emulsion
- Proven performance in the release of concrete from rubber molds
- Usage leads to increased productivity and on-time delivery with reduced inventory and disposal costs
- Attractive aesthetic appearance of molded concrete paver blocks

For More Information

To request DOWSIL™ 2418 Release Emulsion product samples or get contact information for your local sales/technical representatives or distributor, visit: consumer.dow.com.

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