



WSC4009

WSC4009

Description

WSC 4009 weatherstrip coating system is a four-component system (silicone base, cross linker, catalyst, and adhesion promoter) that thermally cures to form a resilient silicone film. The cured coating can help provide substrate surfaces such as EPDM rubber with lubricating, water repellent and easy release characteristics. WSC 4009 weatherstrip coating system can also impart high abrasion resistance, while providing a good, slippery and dark grey matte appearance to coated surfaces, such as automobile door and window run channels and seals.

Key Features and Benefits

- Excellent release characteristics
- Can improve EPDM colour
- Low static and dynamic COF
- Excellent abrasion resistance
- Fast heat cure process (typically 1 minute)
- Excellent adhesion to EPDM
- Long term performance

Typical Physical Properties

PROPERTY	WSC 4009 weatherstrip coating system
Colour	Dark grey
Appearance	Matt
Abrasion Resistance	Excellent even after long time exposure (1000 hours accelerated weathering test)
Friction Coefficient	Excellent in both static and dynamic
Ice-Freeze Release	Excellent

Typical data are average data and actual values may vary.

Typical data shall not be used as product specifications.

Typical Application

For optimum coating adhesion and performance, ensure that all surfaces are clean and dry before applying the coating solution. The substrate temperature should be between 25°C and 60°C.

WSC 4009 weatherstrip coating system solution is recommended to be sprayed. It is important to apply sufficient material to achieve an initial wet look to ensure continuous coverage and good coating adhesion. It is also possible to employ multiple nozzle-heads in tandem in order to ensure that sufficient coating is applied and to avoid missing any part of the surface during the coating process.

The useful bath life of the blended coating system is dependent on the extent of dilution during bath preparation and may be affected by atmospheric moisture conditions. A typical bath life is 3 or 4 hours in an opened container and 24 hours in a sealed one. Continuous, slow speed agitation of the bath composition is recommended to reduce the possibility of settling.

The resulting coating thickness will depend upon the method of application and end-use requirements. Typical coating thickness is 6 - 10 microns.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (MPM) representative. **For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center.** Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

From automotive to healthcare, from electronics to construction, products from Momentive Performance Materials Inc. are practically everywhere you look. We are a global leader in silicones and advanced materials with a 70+ year heritage of innovation and being first to market – with performance applications that improve everyday life. By knowing our customers' needs and creating custom technology platforms for them, we provide science based solutions to help customers increase performance, solve product development issues and engineer better manufacturing processes.

Contact Information

For product prices, availability, or order placement, contact our customer service by visiting www.momentive.com/Contacts

For literature and technical assistance, visit our website at: www.momentive.com

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.

DISCLAIMER

The information provided herein was believed by Momentive Performance Materials Inc. (collectively with its subsidiaries, "Momentive") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product, and to determine the suitability of the product for user's intended application or use. All products supplied by Momentive are subject to Momentive's standard terms and conditions of sale. **MOMENTIVE MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY MOMENTIVE**, except that the product shall conform to Momentive's specifications. Nothing contained herein constitutes an offer for the sale of any products.