

Product Information

Paints, Inks & Coatings

DOW CORNING

DOW CORNING® 61 Additive

FEATURES

- Gives a pleasing decorative appearance to poorly finished metal surfaces

Silicone hammertone additive

APPLICATION

- Imparts a hammertone effect to certain finishes.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

CTM* Parameter	Unit	Value
Appearance		Colorless, clear
Silicone content	%w/w	10
0208 Non-volatile content	%w/w	10
Solvent		Xylene
0001A Specific gravity at 25°C/15.6°C (77°F/60.08°F)		0.87
0004 Viscosity at 25°C (77°F)	mm ² /s	100-150
0090A Flash Point - closed cup	°C	25
	°F	77

* CTM: Corporate Test Method, copies of CTMs are available on request.

DESCRIPTION

Intended primarily for solvent based paints but can be incorporated in SOME water-borne systems. Addition levels are critical and have to be carefully determined for each product, care must also be taken to avoid contamination of other non-hammertone paints.

HOW TO USE

Additive concentration, solvent type and level, resin stability, paint viscosity and application spraying pressure all contribute significantly to the type of hammertone finish obtained. Proper control of all these variables is essential in order to obtain a satisfactory product.

DOW CORNING 61 Additive is usually added to solvent based coatings during the final thinning stage, but in water based coatings is often incorporated with the resin prior

to let-down.

Amount needed

The effects of DOW CORNING 61 Additive should always be tested in the laboratory prior to its use on a production scale. Scale of manufacture may affect hammertone pattern size and attention must be given to thorough mixing of the paint.

The amount of DOW CORNING 61 Additive required depends on a number of factors such as the type of paint, the solvent it contains, the resin and pigment system and the total system solids.

Concentrations may vary from 0.05 to 0.5%

Diluting the additive

If dilution of DOW CORNING 61 Additive is desired - as when adding an extremely small amount - it may be

diluted with aromatic solvents such as xylene or toluene, mineral spirits or ketones (see Handling Precautions).

Recoating

Finishes incorporating DOW CORNING 61 Additive are generally recoatable without surface preparation. In the unlikely event that recoating difficulties occur the surface should be washed with solvent then wet sanded with a 1% detergent solution.

Typical formulation

The following formulation illustrates a typical application in a hammer finish modified alkyd resin paint.

	Parts by weight
Worléekyd ¹ B435 (50% NVM)	60.0
Hordaflex ² LC50	3.5
Worléenfen ¹ F130 (60% NVM)	3.0
Dowanol PM	3.0
Adekaprene ¹ CP 100 (60% NVM)	16.0
Trockner 69 ³	0.4
Lead Octoate ³ (24%)	0.5
Manganese Octoate ³ (6%)	0.4
Stapa 777 [⊞]	3.0
Xylene	6.7
Blue Paste	3.0
DOW CORNING 61 Additive	0.3
Exkin 2 ³	0.2
	100.0

Viscosity 90 seconds No. 4 DIN (xylene diluent if necessary).

Trademark of:

¹ Worlée Chemie GmbH

² Hoechst GmbH

³ Borchers GmbH

⊞ Eckart GmbH

HANDLING PRECAUTIONS

DOW CORNING 61 Additive is supplied in a flammable solvent.

Avoid breathing the vapour, eye contact and prolonged or repeated skin contact.

When using solvents avoid heat, sparks and open flame. Always provide adequate ventilation. Obtain and follow handling precautions from the solvent supplier.

PRODUCT SAFETY

INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

Storage should be away from heat.

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

PACKAGING

This product is available in 20kg pails and 180kg drums.

Samples are available in 100cc.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products

are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.