



ChemMasters®

Chemisil Plus^{OR}

Chemically Reactive, Oil Resistant,
Penetrating Treatment for Concrete

Quality • Innovation • Service

P R O D U C T D A T A

DESCRIPTION

Chemisil Plus^{OR} when used in combination with **Chemisil**, **Chemisil Plus^{LI}**, provides chemical, oil, and grease resistance to concrete surfaces. To harden and densify the surface use **Chemisil Plus^{OR}** in combination with **Chemisil** or **Chemisil Plus^{LI}** to create a chemically reactive system. This system changes the chemical composition of treated surfaces by filling the pores and capillaries of the concrete matrix with a hard dense gel. The system hardens and densifies the surface while **Chemisil Plus^{OR}** makes the surface resistant to oil and grease penetration.

USES

- Interior or exterior horizontal concrete surfaces subject to oil or grease spills
- Industrial, commercial, garage, or warehouse floor slabs
- Food preparation, storage, and distribution centers

ADVANTAGES

- Increases surface density and durability
- Reduces surface absorption of oils and grease
- Resists black tire marks
- Will not peel or scratch
- Dries quickly for minimal downtime
- Minimizes maintenance costs and labor
- Virtually no odor

Packaging and Part Number	
5 gal/18.9L	F4225.05
55 gal/208L	F4225.55

TECHNICAL DATA

Meets U.S.D.A. requirements for federally inspected meat and poultry processing plants.

Test Data	
Volatile Organic Carbon (VOC) content	<250 g/L
ASTM C672 Freeze Thaw Scaling 50 cycles	0.0%
ASTM E96 Water Vapor Transmission Rate	5.35 grains/hr/ft ²
Permeance	7.46 perms
Skid Resistance	Good
Yellowing	None
Chemical Resistance, Immersion	
Oil, grease, solvent	Excellent
Salt, 10%	Excellent
Animal Fats and Fluids	Excellent
Organic Acids, 10%	Excellent
Alkalis, 10%	Excellent
Fermenting Foods	Excellent

Estimating and Usage Guide	
Surface texture, porosity, and general condition of the concrete affect coverage rates	
Typical Coverage Rate	150 to 200 ft ² /gal (4 to 5 m ² /L)
Application Temperature	50 to 100°F (10 to 38°C)

DIRECTIONS

Mixing:

Use **Chemisil Plus^{OR}** directly from the container. Do **not** dilute with water or solvents.



ChemMasters® Inc.

American Made Products—Family Owned Company

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Surface Preparation:

Concrete should be fully cured prior to application. All surfaces must be dry and free of all dust, dirt, debris, oil, grease, sealers or curing compounds. Mask any glass, aluminum or polished metal surfaces in the application area.

Priming:

All steel trowel finished concrete must be treated with **Chemisil** or **Chemisil Plus^{Li}** prior to **Chemisil Plus^{OR}** application. Refer to technical data sheet for **Chemisil** or **Chemisil Plus^{Li}** for instructions. Allow **Chemisil** or **Chemisil Plus^{Li}** to thoroughly dry for a minimum of 2 hours prior to application of **Chemisil Plus^{OR}**.

Application:

When applying **Chemisil** or **Chemisil Plus^{Li}** before applying **Chemisil Plus^{OR}** do not allow foot traffic between applications. For best results, the surface must be dry. Spray **Chemisil Plus^{OR}** onto surface at an even rate to form a continuous film. Application rate is 150 to 200 ft²/ gal (4 to 5 m²/L). Do not allow material to puddle. Back roll with a short napped solvent resistant roller to even out the application.

Chemisil Plus^{OR} dries in 2 to 4 hours at @70°F (21°C) with adequate air circulation. Lower temperatures or high humidity extend drying times. Treated areas may be opened to light foot traffic as soon as the surface is dry and heavy traffic in 6-8 hours.

Clean-Up

Clean equipment with warm soapy water immediately after use. Do not allow material to dry on equipment.

Storage

Store sealed containers at 40°-80°F (4°-27°C). Shelf life of properly stored material is two years from date of manufacture.

Limitations

- Colored concrete must be a minimum of 60 days old prior to application
- **Chemisil Plus^{OR}** is a water based product. Do not allow material to freeze.
- Do not apply when surface temperature is below 50° F (10°C) or above 100°F (38°C).

THIS PRODUCT IS FOR COMMERCIAL USE ONLY – IT IS NOT A CONSUMER PRODUCT.

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