

# NANSULATE® PRODUCT INFORMATION - PAGE 1

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## Nansulate® Translucent High Heat



Product Code:	WC3700
US Retail Price:	\$89.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Approvals:	SONCAP
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles,; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, corrosion prevention, mold resistance, surfaces up to 204 deg. C.
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, other metal substrates

### Applications

Insulation and corrosion control. Industrial applications up to 204 deg. C, used for heat exchanger, LNG burners, steam boilers, steam pipes, other hot surfaces requiring insulation and corrosion protection. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Translucent PT



Product Code:	34-90PT
US Retail Price:	\$79.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Approvals:	SONCAP
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, corrosion prevention, mold resistance
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, other metal substrates

### Applications

Insulation and corrosion control. Industrial applications up to 125 deg. C, used for pipes, pipelines, water pipes, other metal surfaces requiring insulation and corrosion protection. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Translucent GP



Product Code:	34-90GP
US Retail Price:	\$79.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Approvals:	SONCAP, NSF Registration R2 category. #138638
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance
Material Applied to:	Plastic, glass, cement, wood, drywall, fiberglass, other non-metal substrates

### Applications

Insulation and mold resistance. Industrial and commercial applications up to 125 deg. C, used for plastic, glass, cement, fiberglass, wood, and other non-metal surfaces requiring insulation and mold resistance. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Safe for food processing facilities and restaurants. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

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## Nansulate® EPX-4



Product Code:	EPX4
US Retail Price:	\$110.00 USD per gallon
Available Sizes:	2-gallon kit, 5-gallon kit, (each kit contains a part A & part B), 55 gallon drum & larger sizes available
Color:	Industrial Blue, rough surface
Environmental:	Low VOC (60 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	6 months
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (at 1/8"):	24 s.f. per gallon
Approvals:	SONCAP
Certification:	Corrosion: ASTM B117 - 2000 hours
Product Attributes:	Thermal insulation, corrosion prevention, chemical resistance, flame resistance, high temperature
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, other metal substrates. Can also be used on wood, drywall, and cement substrates.

### Applications

Heavy duty insulation, corrosion, chemical and flame resistant epoxy. Industrial applications up to 232 deg C. Used for pipelines, pipes, heat exchangers, LNG burners, steam boilers, steam pipes and in environments where there is chance of harsh chemical contact. Not for use on pipe interior or underwater. If exposed to sunlight, the epoxy should be overcoated with 1 coat of Nansulate GP for U/V protection. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. For best adhesion to steel and aluminum surfaces, use Nansulate High Heat as a primer at 1 coat, allow to dry for 2 hours, and apply EPX. Can apply directly to other (non-metal) surfaces. Each coat should be applied between 1/6"-1/8" with 4 hours dry time (non-tacky) between coats. Application can be built up to 1" or more. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Industrial Hopper Gun or drywall sprayer, trowel

## Nansulate® EPX-K



Product Code:	EPXK
US Retail Price:	\$110.00 USD per gallon
Available Sizes:	2-gallon kit, 5-gallon kit (each kit contains a part A & part B), 55 gallon drum & larger sizes available
Color:	Lt. Industrial Blue, rough surface
Environmental:	Low VOC (60 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	6 months
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (at 1/8"):	24 s.f. per gallon
Approvals:	SONCAP
Certification:	Corrosion: ASTM B117 - 2000 hours
Product Attributes:	Thermal insulation, corrosion prevention, chemical resistance, high temperature
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, other metal substrates. Can also be used on wood, drywall, and cement substrates.

### Applications

Heavy duty insulation, corrosion, chemical and flame resistant epoxy. Industrial applications up to 232 deg C. Used for pipelines, pipes, heat exchangers, LNG burners, steam boilers, steam pipes and in environments where there is chance of harsh chemical contact. Not for use on pipe interior or underwater. If exposed to sunlight, the epoxy should be overcoated with 1 coat of Nansulate GP for U/V protection. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. For best adhesion to steel and aluminum surfaces, use Nansulate High Heat as a primer at 1 coat, allow to dry for 2 hours, and apply EPX. Can apply directly to other (non-metal) surfaces. Each coat should be applied between 1/6"-1/8" with 4 hours dry time (non-tacky) between coats. Application can be built up to 1" or more. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Industrial Hopper Gun or drywall sprayer, trowel

## Nansulate® LDX



Product Code:	34-90LDX
US Retail Price:	\$84.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	20 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (2 coats):	225 s.f. per gallon
Approvals:	none
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Lead encapsulation, mold resistance
Material Applied to:	Surfaces coated with lead-based paint that is adhering well to surface and not flaking or peeling.

### Applications

Coating for encapsulation of lead-based paint. Residential, commercial and industrial applications up to 125 deg. C. Applied to areas with lead-based paint to encapsulate. Not for pipe interior or underwater use - product cannot be in a submerged environment. Interior use only.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, flaking paint, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Two coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

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## Nansulate® HomeProtect Clear Coat



Product Code:	34-90CCHP
US Retail Price:	\$74.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Approvals:	SONCAP
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance, corrosion prevention
Material Applied to:	Drywall, pre-painted walls, ceilings, wood, plastic, glass, cement, stucco, other building surfaces.

### Applications

Insulation and mold resistance. Residential and commercial applications up to 125 deg. C, used for drywall, pre-painted walls, wood, plastic, glass, cement, fiberglass, and other non-metal surfaces requiring insulation and mold resistance. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® HomeProtect White Interior



Product Code:	34-90INHP
US Retail Price:	\$74.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	White, semi-gloss - smooth surface - can be tinted
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Approvals:	SONCAP
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance, tintable
Material Applied to:	Drywall, pre-painted walls, ceilings, wood, plastic, glass, cement, stucco, other building surfaces.

### Applications

Insulation and mold resistance. Residential and commercial applications up to 125 deg. C, used for drywall, pre-painted walls, wood, plastic, glass, cement, fiberglass, and other non-metal surfaces requiring insulation and mold resistance. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Interior use only.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Crystal



Product Code:	WC3500CR
US Retail Price:	\$84.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	10 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Certification:	CFE thermal study on electricity savings; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance, UV resistance
Material Applied to:	sloped roofs: clay, cement or slate tile; asphalt or wood shingle

### Applications

Insulation and protection of sloped roofs. Commercial and residential applications up to 125 deg. C, used for clay, cement, slate tiles or asphalt or wood shingle roofs. Provides resistance to UV and weathering. Not for flat roofs with possibility of standing water over extended period. Can be used around steam and high humidity environments. Exterior use. Please see application instructions for specifics on exterior application and conditions.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

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## Nansulate® Bee Protect Clear



Product Code:	34-90BPC
US Retail Price:	\$39.95 USD per quart \$79.95 USD per gallon
Available Sizes:	1 quart, 1 gallon, 5 gallon, larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (4 coats):	112.5 s.f. per gallon
Approvals:	NSF Registration R2 category. #141658
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance,
Material Applied to:	Wood, plastic, concrete, glass, aluminum.

### Applications

Insulation and mold resistance coating for beehives. For applications up to 125 deg. C, used for wood or plastic beehives to create a more temperate environment, providing insulation and mold resistance. For use on hive exterior.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Four coats is the recommended application, followed by 2 coats of Bee Protect White Top Coat. Alternately, 6 coats can be used without addition of White Top Coat. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Bee Protect White Top Coat



Product Code:	34-90BPT
US Retail Price:	\$37.95 USD per quart \$69.95 USD per gallon
Available Sizes:	1 quart, 1 gallon, 5 gallon, larger sizes available
Color:	White, semi-gloss - smooth surface - can be tinted
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (2 coats):	225 s.f. per gallon
Approvals:	none
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, mold resistance, tintable
Material Applied to:	Wood, plastic, concrete, glass, aluminum.

### Applications

Insulation and mold resistance coating for beehives. For applications up to 125 deg. C, used for wood or plastic beehives to create a more temperate environment, providing insulation and mold resistance. For use on hive exterior.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Two coats over 4 coats of Bee Protect Clear is the recommended application. Can be tinted with universal paint pigment. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Greenhouse



Product Code:	34-90GRH
US Retail Price:	\$74.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte - smooth surface (cloudy look if used over clear glass)
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	10 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450-525 s.f. per gallon
Coverage (3 coats):	150-175 s.f. per gallon
Approvals:	none
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, corrosion prevention, mold resistance, allows light through
Material Applied to:	Glass, plastic, fiberglass, wood, aluminum and other metal and non-metal surfaces.

### Applications

Insulation and mold resistance for greenhouses. Commercial and residential applications up to 125 deg. C, used for glass, plastic, fiberglass, wood, and other surfaces requiring insulation and mold resistance. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

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## Nansulate® Top Coat



Product Code:	WC3000T
US Retail Price:	\$74.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	White, semi-gloss - smooth surface - can be tinted
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Approvals:	none
Certification:	Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Mold resistance, tintable
Material Applied to:	Used over any Nansulate® coating product as a Top Coat for color.

### Applications

Exterior top coat over Nansulate® coatings. Used as either a white, or tinted color coat. Not for pipe interior or underwater use -product cannot be in a submerged environment. Can be used around high humidity environments. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. One or two coats is the recommended minimum coverage. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## NanoBoost™



Product Code:	WC3700B
US Retail Price:	\$39.95 USD per quart
Available Sizes:	1-quart; larger sizes available
Color:	Clear, matte finish - smooth surface
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	112.5 s.f. per quart
Coverage (3 coats):	37.5 s.f. per quart
Approvals:	SONCAP
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, corrosion prevention, surfaces up to 204 degC
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, other metal substrates.

### Applications

Insulation and corrosion control coating for automotive parts and interiors. For applications up to 204 deg. C, used for intake manifold, fuel tank, fuel lines, interior engine compartment, interior of vehicle to reduce heat transfer and increase vehicle performance. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environments. Not for use as an exterior automotive body paint.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller

## Nansulate® Solar



Product Code:	WC3700SOL
US Retail Price:	\$89.95 USD per gallon
Available Sizes:	1-gallon, 5-gallon, 55 gallon drum; larger sizes available
Color:	Clear, matte - smooth surface (cloudy look if used over clear glass)
Environmental:	Low VOC (100 g/litre) - water based
Warranty Period:	5 years
Shelf Life:	2 years
Storage Temperatures:	4°C-24°C (39°F-75°F)
Coverage (1 coat):	450 s.f. per gallon
Coverage (3 coats):	150 s.f. per gallon
Certification:	GM9540P Accelerated Corrosion Test - passed 24 cycles,; Mold Testing: ASTM G21 & 5590 - passed
Product Attributes:	Thermal insulation, corrosion prevention, mold resistance, surfaces up to 204 deg C
Material Applied to:	Steel, carbon steel, aluminum, galvanized aluminum, copper, plastic, fiberglass, and more

### Applications

Solar thermal system insulation and mold resistance. Residential and commercial applications up to 204 deg. C. Used for solar panel casings, heat tubes, piping, water tanks, heat exchanger, steam boilers, and other solar thermal parts. Both metal and non-metal surfaces. Not for pipe interior or underwater use - product cannot be in a submerged environment. Can be used around steam and high humidity environment. Interior or exterior use.

### Application Method

Surface must be clean and dry and free of grease, dirt solvents, etc.. Apply directly to the surface. Each coat should be applied between 72-127 microns in thickness with 1 hour dry time (non-tacky) between coats. Three coats is the recommended minimum coverage, more coats may be used, up to 24. Application temperature range: 4°C to 93°C (40°F-200°F)

### Suggested Application Equipment

Paint sprayer (airless at low pressure or H.V.L.P.), brush or roller