

EPS® 2706

Technical Data Sheet

Polymer for
High Performance
Exterior Coatings

BENEFITS

Dirt Pickup Resistance
Efflorescence Resistance
Grain Crack Resistance
Exterior Durability
Non-APEO

END USES

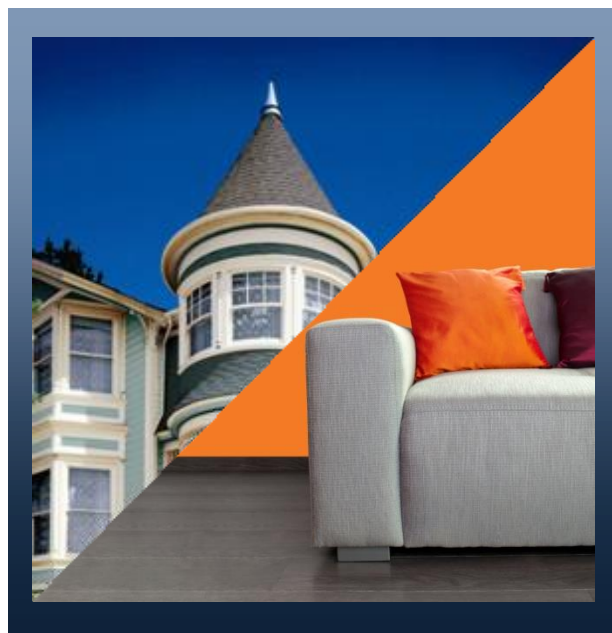
Flat through eggshell exterior coatings for architectural DIY and/or professional paint formulas

MARKET SEGMENTS

Architectural

CHEMISTRY

100% Acrylic Film-Forming
Polymer



EPS 2706 is a Non-APEO all-acrylic film-forming emulsion offering excellent exterior durability and adhesion for use in exterior flat through eggshell finish house paints. EPS 2706 offers advanced dirt resistance technology to improve the brightness and appearance of exterior coatings.

Specifications

| | |
|---------------|---------------|
| Weight Solids | 55.0 +/- 0.7% |
| Weight/Gallon | 8.85 +/- 0.1 |
| pH | 8.00 - 8.50 |

Typical Properties

| | |
|---------------|---------------|
| Volume Solids | 52.1 +/- 0.7% |
| MFFT | 4° C |
| Volatile(s) | Water |

Suggested Coalescing Solvent(s)

(% Solvent on Binder Solids – Pass 40° F LTC Test)

| | |
|---------------------|--------|
| Texanol or EPS 9147 | 4% max |
|---------------------|--------|

- Excellent balance of properties for use in flat through eggshell architectural coatings.
- Excellent exterior durability including:
 - ✓ Resistance to efflorescence
 - ✓ Resistance to dirt pickup
 - ✓ Resistance to grain cracking
- Excellent adhesion to chalky and glossy substrates
- Non-APEO, 100% acrylic film-forming polymer
- Low coalescent demand. Near-zero VOC paints can be formulated using EPS 9147 coalescent.

EPS® 2706

TECHNICAL SUPPORT

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS 2706. These guidelines are offered for illustration purposes only. The paint formulator bears sole responsibility for the performance of the final coating product

MSDS

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Suggested Formulation

| Formula: EPS 2706 FLT1 (333-74) | | | | |
|---------------------------------|---------------|--------------------|--------------|--------------------------------|
| Exterior Flat White/Pastel Base | | | | |
| Pounds | Gallons | Raw Material | Supplier | Instructions |
| 133.3 | 16.00 | Water | | |
| 9.0 | 0.97 | Tamol 731 | Dow | |
| 2.0 | 0.28 | Surfynol 104A | Air Products | |
| 3.0 | 0.39 | Drewplus L-475 | Ashland | |
| 0.5 | 0.02 | KTPP | ICL | |
| 250.0 | 7.32 | Kronos 2310 | Kronos | |
| 200.0 | 9.20 | Minex 4 | Sibelco | |
| 3.0 | 0.15 | Attagel 50 | BASF | Disperse |
| 362.9 | 41.0 | EPS 2706 | EPS | Add Dispersion under Agitation |
| 11.0 | 1.26 | EPS 9147 | EPS | |
| 149.5 | 17.95 | Water | | |
| 1.0 | 0.13 | Ammonium Hydroxide | | Mix 5 minutes |
| 10.0 | 1.20 | Sodium Nitrite 4% | | |
| 3.0 | 0.33 | Nuosept 498 | Troy | |
| 10.0 | 1.04 | Polyphase 663 | Troy | |
| 20.0 | 2.32 | Optiflo L100 | BYK | Mix 10 minutes |
| 4.0 | 0.44 | Acrysol RM-8W | Dow | Mix 15 minutes |
| 1172.1 | 100.00 | Totals | | |

| Formulation Properties | |
|------------------------|--------------|
| Weight Solids | 58.0% |
| Volume Solids | 40.9% |
| Pigment Weight | 38.7% |
| Pigment Volume Conc. | 43.8% |
| VOC Level | <5 g/L |
| Weight/Gallon | 11.72 lb/gal |

| Typical Properties | |
|--------------------|-----------|
| Viscosity | 95-100 KU |
| pH | 9.0 – 9.5 |
| Color | White |
| Gloss at 60° | 4 - 5 |
| Gloss at 85° | 4 - 5 |

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Suggested Formulation

| Formula: EPS 2706 FLT2 (333-75) | | | | |
|----------------------------------|---------------|--------------------|--------------|--------------------------------|
| Exterior Flat Neutral/Clear Base | | | | |
| Pounds | Gallons | Raw Material | Supplier | Instructions |
| 150.0 | 18.00 | Water | | |
| 8.0 | 0.86 | Tamol 731 | Dow | |
| 2.0 | 0.28 | Surfynol 104A | Air Products | |
| 3.0 | 0.39 | Drewplus L-475 | Ashland | |
| 0.5 | 0.02 | KTPP | ICL | |
| 305.0 | 14.0 | Minex 3 | Sibelco | |
| 3.0 | 0.15 | Attagel 50 | BASF | |
| 460.2 | 52.00 | EPS 2706 | EPS | Add Dispersion under Agitation |
| 11.8 | 1.50 | Texanol | Eastman | |
| 56.1 | 6.74 | Water | | |
| 1.0 | 0.13 | Ammonium Hydroxide | | Mix 5 minutes |
| 10.0 | 1.20 | Sodium Nitrite 4% | | |
| 3.0 | 0.33 | Nuosept 498 | Troy | |
| 10.0 | 1.04 | Polyphase 663 | Troy | |
| 20.0 | 2.32 | Optiflo L100 | BYK | Mix 10 minutes |
| 10.0 | 1.04 | Acrysol RM-8W | Dow | Mix 15 minutes |
| 1053.6 | 100.00 | Totals | | |

| Formulation Properties | |
|------------------------|--------------|
| Weight Solids | 55.0% |
| Volume Solids | 43.0% |
| Pigment Weight | 29.3% |
| Pigment Volume Conc. | 34.3% |
| VOC Level | 34 g/L |
| Weight/Gallon | 10.54 lb/gal |

| Typical Properties | |
|--------------------|------------|
| Viscosity | 105-110 KU |
| pH | 9.0 – 9.5 |
| Color | Clear |
| Gloss at 60° | 4 - 5 |
| Gloss at 85° | 4 - 5 |