PRODUCT PROFILE

GENERIC DESCRIPTION
Acrylic Emulsion

COMMON USAGE
Decorative, high-build protection against weather, driving rain, industrial fumes and alternate freezing-thawing. Formulated to resist mildew growth on the paint film. Available in smooth (Series 180) and sand-texture (Series 181) finishes for concrete, CMU and properly primed steel. Spray application "dry-falls" under certain conditions.

COLORS
Refer to Tnemec Color Guide.

FINISH
Flat, smooth

PERFORMANCE CRITERIA
Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

PRIMERS
Self-priming on concrete, masonry, brick, stucco and lightweight block. Split-Face & Split-Fluted CMU: Series 54, 130, 1254 Steel: 10, 57H, 66, 109, Ne5, Ne6, Ne8, Ne9, Ne10, Ne11, Ne12, Ne13, Ne14, Ne15, Ne16, Ne17, Ne18, Ne19, Ne20, Ne21, Ne22, Ne23, Ne24, Ne25, Ne26, Ne27, Ne28, Ne29, Ne30, Ne31, Ne32, Ne33, Ne34, Ne35, Ne36, Ne37, Ne38, Ne39, Ne40, Ne41, Ne42, Ne43, Ne44, Ne45, Ne46, Ne47, Ne48, Ne49, Ne50, Ne51, Ne52, Ne53, Ne54, Ne55, Ne56, Ne57, Ne58, Ne59, Ne60, Ne61, Ne62, Ne63, Ne64, Ne65, Ne66, Ne67, Ne68, Ne69, Ne70, Ne71, Ne72, Ne73, Ne74, Ne75, Ne76, Ne77, Ne78, Ne79, Ne80, Ne81, Ne82, Ne83, Ne84, Ne85, Ne86, Ne87, Ne88, Ne89, Ne90, Ne91, Ne92, Ne93, Ne94, Ne95, Ne96, Ne97, Ne98, Ne99, Ne100, Ne101, Ne102, Ne103, Ne104, Ne105, Ne106, Ne107, Ne108, Ne109, Ne110, Ne111, Ne112, Ne113, Ne114, Ne115, Ne116, Ne117, Ne118, Ne119, Ne120, Ne121, Ne122, Ne123, Ne124, Ne125, Ne126, Ne127, Ne128, Ne129, Ne130, Ne131, Ne132, Ne133, Ne134, Ne135, Ne136, Ne137, Ne138, Ne139, Ne140, Ne141, Ne142, Ne143, Ne144, Ne145, Ne146, Ne147, Ne148, Ne149, Ne150, Ne151, Ne152, Ne153, Ne154, Ne155, Ne156, Ne157, Ne158, Ne159, Ne160, Ne161, Ne162, Ne163, Ne164, Ne165, Ne166, Ne167, Ne168, Ne169, Ne170, Ne171, Ne172, Ne173, Ne174, Ne175, Ne176, Ne177, Ne178, Ne179, Ne180, Ne181, Ne182, Ne183, Ne184, Ne185, Ne186, Ne187, Ne188, Ne189, Ne190, Ne191, Ne192, Ne193, Ne194, Ne195, Ne196, Ne197, Ne198, Ne199, Ne200, Ne201, Ne202, Ne203, Ne204, Ne205, Ne206, Ne207, Ne208, Ne209, Ne210, Ne211, Ne212, Ne213, Ne214, Ne215, Ne216, Ne217, Ne218, Ne219, Ne220, Ne221, Ne222, Ne223, Ne224, Ne225, Ne226, Ne227, Ne228, Ne229, Ne230, Ne231, Ne232, Ne233, Ne234, Ne235, Ne236, Ne237, Ne238, Ne239, Ne240, Ne241, Ne242, Ne243, Ne244, Ne245, Ne246, Ne247, Ne248, Ne249, Ne250, Ne251, Ne252, Ne253, Ne254, Ne255, Ne256, Ne257, Ne258, Ne259, Ne260, Ne261, Ne262, Ne263, Ne264, Ne265, Ne266, Ne267, Ne268, Ne269, Ne270, Ne271, Ne272, Ne273, Ne274, Ne275, Ne276, Ne277, Ne278, Ne279, Ne280, Ne281, Ne282, Ne283, Ne284, Ne285, Ne286, Ne287, Ne288, Ne289, Ne290, Ne291, Ne292, Ne293, Ne294, Ne295, Ne296, Ne297, Ne298, Ne299, Ne300, Ne301, Ne302, Ne303, Ne304, Ne305, Ne306, Ne307, Ne308, Ne309, Ne310, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315, Ne316, Ne317, Ne318, Ne319, Ne320, Ne311, Ne312, Ne313, Ne314, Ne315,朱

SURFACE PREPARATION

PAINTED SURFACES
Remove chalk and old paint not tightly bonded to the surface. Patch cracks.

ALL SURFACES
Must be clean, dry and free of oil, grease, form release agents and other contaminants. Allow new concrete, masonry and stucco to cure 7 days. Level protrusions and mortar spatter. Reference SSPC-SP13/NACE 6.

TECHNICAL DATA

VOLUME SOLIDS
44.0 ± 2.0% †

RECOMMENDED DFT
4.0 to 10.0 mils (100 to 255 microns) per coat. Note: Number of coats and thickness requirements will vary with substrate, application method and exposure. See APPLICATION and/or contact your Tnemec representative.

CURING TIME
<table>
<thead>
<tr>
<th>Temperature</th>
<th>To Touch</th>
<th>To Recoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F (24°C)</td>
<td>1 hour</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS

Unthinned: 0.82 lbs/gallon (98 grams/litre)
Thinned 5%: 0.82 lbs/gallon (98 grams/litre) †

THEORETICAL COVERAGE
705 mil sq ft/gal (17.3 m²/L at 25 microns). See APPLICATION for coverage rates. †

NUMBER OF COMPONENTS
One

PACKAGING
5 gallon (18.9L) pails and 1 gallon (3.79L) cans.

NET WEIGHT PER GALLON
11.50 ± 0.25 lbs (5.22 ± .11 kg) †

STORAGE TEMPERATURE
Minimum 35°F (2°C)     Maximum 110°F (43°C)

TEMPERATURE RESISTANCE
(Dry) Continuous 170°F (77°C)     Intermittent 200°F (93°C)

SHELF LIFE
24 months at recommended storage temperature.

FLASH POINT - SETA
N/A

HEALTH & SAFETY
Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. Keep out of the reach of children.
APPLICATION

Dense Concrete, Masonry and Filled CMU

<table>
<thead>
<tr>
<th></th>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Sq Ft/Gal (m²/Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>4.0 (100)</td>
<td>9.5 (240)</td>
<td>176 (16.3)</td>
</tr>
<tr>
<td>Maximum</td>
<td>8.0 (205)</td>
<td>19.0 (485)</td>
<td>88 (8.2)</td>
</tr>
</tbody>
</table>

CMU (First Coat)

<table>
<thead>
<tr>
<th></th>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Sq Ft/Gal (m²/Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>8.0 (205)</td>
<td>19.0 (485)</td>
<td>88 (8.2)</td>
</tr>
<tr>
<td>Maximum</td>
<td>10.0 (255)</td>
<td>24.0 (610)</td>
<td>71 (6.5)</td>
</tr>
</tbody>
</table>

Primed Steel

<table>
<thead>
<tr>
<th></th>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Sq Ft/Gal (m²/Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>4.0 (100)</td>
<td>9.5 (240)</td>
<td>176 (16.3)</td>
</tr>
<tr>
<td>Maximum</td>
<td>6.0 (150)</td>
<td>14.5 (370)</td>
<td>118 (10.9)</td>
</tr>
</tbody>
</table>

Allow for application losses and surface irregularities. Spreading rates are approximate and variable based on the roughness and porosity of substrates; also the method of application. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Wet and dry film thicknesses are calculated from the sq ft/gal figures. There is no method for accurately measuring the applied film thickness of texture coatings. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

Important: Protection against weather, driving rain and alternate freezing and thawing is obtained when coating is applied to form a continuous, void-free film. The coating must be brushed, rolled or sprayed and back-rolled onto block. Grooves in scored and fluted block must be brushed. Two coats are normally recommended for lightweight block. Split-face and split-fluted block must be filled. Contact your Tnemec representative for specific coating system recommendations. †

Stir thoroughly with a power mixer, making sure no pigment remains on the bottom of the can. Normally none required. Can be thinned up to 5% or 1/4 pint (190 mL) per gallon with clean water.

Air Spray

<table>
<thead>
<tr>
<th>Gun</th>
<th>Fluid Tip</th>
<th>Air Cap</th>
<th>Air Hose ID</th>
<th>Mat'l Hose ID</th>
<th>Atomizing Pressure</th>
<th>Pot Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeVilbiss (1)</td>
<td>D</td>
<td>64HD</td>
<td>5/16” or 5/8” (7.9 or 9.5 mm)</td>
<td>1/2” (12.7 mm)</td>
<td>50-70 psi (3.4-4.8 bar)</td>
<td>30-40 psi (2.1-2.8 bar)</td>
</tr>
<tr>
<td>(1) With heavy duty spring (JGA 191K2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Airless Spray

<table>
<thead>
<tr>
<th>Tip Orifice</th>
<th>Atomizing Pressure</th>
<th>Mat'l Hose ID</th>
<th>Manifold Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.025”-0.031” or 0.8-0.75 mm</td>
<td>(200-2800 psi) or (13.8-193 bar)</td>
<td>5/8” (19.0 mm)</td>
<td>30 mesh</td>
</tr>
<tr>
<td>0.025”-0.031” or 0.8-0.75 mm</td>
<td>(200-2800 psi) or (13.8-193 bar)</td>
<td>5/8” (19.0 mm)</td>
<td>600 microns</td>
</tr>
</tbody>
</table>

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

Roller: Use a synthetic cover. For smooth surfaces use 3/8” to 3/4” (9.5 mm to 19.0 mm) nap. For rough surfaces use 5/8” (15.9 mm) or longer nap. To obtain proper penetration for rough or porous surfaces, thin up to 5% or 1/4 pint (190 mL) per gallon. Force material into voids and hairline cracks with a brush or squeegee. Smooth out build-up at laps. Multiple coats may be required to achieve recommended film thickness, depending on applicator technique and roller nap size.

Brush: Use a stiff nylon brush. Work material into voids and avoid brushing out too thin.

Surface Temperature

Minimum 40°F (4°C) Maximum 90°F (32°C)

The surface should be dry and at least 5°F (5°C) above the dew point.

Cleaning: Flush and clean all equipment immediately after use with water.

Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work, weather conditions, equipment adjustment and proper thinning. Low temperature and high humidity are of particular concern. Test for each application as follows: Spray from 15 to 25 feet towards paint container. The material then should readily wipe off. Note: Heat can fuse-dry overspray to surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that exterior surface temperatures can be higher than air temperature.

† Values may vary with color.

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PRODUCT DATA SHEET

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