



Spray-On System

from Tascon Industries

New Construction

Tascon's EnviroGuard® Spray-On System is designed to provide an aesthetic finish when applied to metal, wood, concrete, and other building materials. The product is available in several colors including white, beige, oyster, and black. EnviroGuard Spray-On System is made from recycled and chemically treated cellulose fibers and is installed using a unique liquid adhesive spray applied by specially designed equipment.

New Metal Building

A typical application of EnviroGuard Spray-On System provides a monolithic coating directly to the substrate, purlins, and girts of the interior of a metal building. A one-inch thick application virtually eliminates condensation, helps seal at the eaves by reducing overall air infiltration, reduces outside and inside noise levels, and provides additional insulation qualities.

Existing or Occupied Buildings

EnviroGuard Spray-On System provides solutions to correct acoustical, condensation, and thermal problems in machine shops, industrial plants, auditoriums, gymnasiums, restaurants, and many other structures. And, using EnviroGuard Spray-On System is done quickly with minimum interruption of the business and employees.

Fire Retardant Properties

In the event of fire in a home or building, time for emergency equipment to respond and occupants to escape is critical. Laboratory and actual tests have proven cellulose insulation provides additional response time due to its simple charring as it slowly burns. Other insulation materials may melt, have low auto-ignition points, or spew high-density toxic fumes. Smoke developed from EnviroGuard Spray-On System, tested in accordance with ASTM E-84, is rated at 0 vs. up to 450 in other materials. (A rating this high translates to virtually zero visibility.) Further, EnviroGuard Spray-On System is Underwriter Laboratories approved, carries a Flame Spread rating of 20, and is listed as a Class 1 Building Material.

Acoustical

Noise of all types is a nuisance, possible health hazard, and a cause of employee inefficiency. EnviroGuard Spray-On System is effective in reducing overall noise levels in shops, manufacturing facilities, chemical and refinery plants, and many other buildings. EnviroGuard Spray-On System performs best on mid- to high-frequency noise in reducing reverberation in gymnasiums, indoor swimming pools, geodesic domes, churches, and areas where there are hard, flat surfaces on walls, ceilings, and floors. Reverberation of sound travel is measured in seconds from one surface to another, and as can be seen in the chart below, EnviroGuard Spray-On System reduces noise reverberation at all levels of the sound spectrum.

| Noise Reduction Coefficient | | | | | | | |
|--|------|------|------|------|------|------|------|
| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
| Absorption Coefficient | 0.14 | 0.39 | 0.83 | 0.98 | 1.07 | 1.00 | 0.80 |
| <i>Noise Reduction Coefficient (NRC) 0.80 tested at 1" application applied to a solid backing at a density of approximately 3.5 lbs. per cubic foot.</i> | | | | | | | |
| <i>Source: Riverbanks Acoustical Laboratories</i> | | | | | | | |

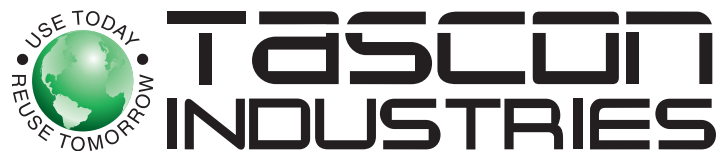
Condensation Control

Moisture forming on metal or concrete interior surfaces is usually caused by warm moist air moving into interior space and condensing. With high-density EnviroGuard Spray-On System, moist air is blocked from coming into contact with the metal or concrete surface, thus preventing condensation. With one application of EnviroGuard Spray-On System, moisture will be prevented from dripping from interior surfaces.

Thermal Properties

EnviroGuard Spray-On System carries a high R-value rating of 3.7, and with its monolithic sealing capability, the performance is as much as 38% better than fiberglass insulation.

| Test Name | Test Method | Test Result |
|---------------------|-------------|---------------------------|
| Density | ASTM E-605 | 3.5 lbs./ft. ³ |
| R-Value | ASTM C-518 | 3.7 |
| K-Factor | ASTM C-518 | 0.26 |
| Flame Spread | ASTM E-84 | 20 |
| Smoke Developed | ASTM E-84 | 0 |
| Smolder | ASTM C-1149 | < 15% |
| Fungi | ASTM C-1149 | Passed |
| Corrosion | ASTM C-1149 | Passed |
| Moisture Absorption | ASTM C-1149 | Passed |
| Odor | ASTM C-1149 | Passed |
| Bond Strength | ASTM E-736 | > 5 x Weight |
| Deflection | ASTM E-759 | Passed |
| Air Erosion | ASTM E-859 | Passed |



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