



Safe Encasement Specialty Coatings Delivers Performance & Safety!

Safe Encasement Coatings delivers outstanding performance and safety at a lower cost per sq foot than other coatings.

Air Duct Cleaning Contractors like SE because it can be applied to virtually any surface within the HVAC system like: sheet metal ductwork, lined ductwork, and duct board. Plus it is a great solution for deteriorating drain pans.

Mold Remediation Contractors like SE because it can be used again on any building surface like: brick, concrete, wood, sheetrock, steel, etc.

After appropriate cleaning the application of SE results in a seamless, waterproof protective jacket that remains highly flexible and can be warranted for up to 20 years. Now that's performance!

Safe Encasement Coating Options:

Safe Encasement is a family of proven coating products. The three products that deliver the superior results needed by Air Duct Cleaning, Mold Remediation Contractors and other Indoor Air Quality Professionals include:

- SE 130 top coat is a water based, high-solids, flexible acrylic coating that is dirt, mold, rust, weather and fire resistant. It passes the same mold and mildew resistance test (without any pesticides) as other coatings but has superior adhesion than other coatings. It forms a tough white, flexible, waterproof protective jacket. Its coverage ranges from 135-160 sq. ft. per gallon (10 -12 wet mils) and costs less than most other coatings on a cost per square foot basis. It's a perfect solution for coating HVAC system and building surfaces.
- SE 110MS multi-surface primer is a water based, clear, corrosion inhibited, non-toxic primer that penetrates, stabilizes and seals friable damaged paint or fibrous insulation surfaces. When used with SE130 top coat you form a Safe Encasement System that can be warranted for 5, 10 or up to 20 years!
- SE-Submersible is a special topcoat. It's a two part 100% solid epoxy that is used with SE 110MS to form an impermeable water barrier. It's the perfect solution to extend the life of drain pans and other water basins.

These and other Safe Encasement coatings are designed and EPA approved for encasement of lead based paint and asbestos containing materials. In fact these coatings are the only coatings to date that have been approved by the EPA as barrier coatings.

Performance:

Safe Encasement Coatings pass a multitude of tests that demonstrate its safety and superior performance. Most important are the mold resistance and adhesion tests.

Mold Resistance Testing

An independent testing laboratory carried out comparative testing of mold resistance with two leading competitive products. The testing was carried out in accordance with ASTM D-3273 (which describes how to set up and run a mold/mildew cabinet, which essentially is a humidity cabinet into which various strains of mold and mildew are introduced and allowed to freely propagate) and ASTM D-3274 (which details how to coat a panel, subject the panel to the conditions in the mold cabinet and then how to evaluate the results after a 4 week exposure time).

SE 130 top coat alone and SE130 top coat in combination with SE 110MS primer passed this test like the other coatings. In fact, the test was then extended an additional 4 weeks and again Safe Encasement Coatings and the other coatings passed the mold resistance test.

This testing demonstrates that these Safe Encasement coatings are equal to other coatings on the market when it comes to mold resistance without the use of a pesticide additive!

Adhesion Testing

The same independent testing laboratory carried out the adhesion testing in accordance with ASTM D 4541 (pull off strength). This test is very important because the better the adhesion the better the coating will adhere to the HVAC system or building surface and the better the adhesion the longer the coating will stay in place.

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| ASTM D 4541 | Coating A | Coating B | SE 130 alone | SE 130/SE110MS |
| Results | 150 psi | 200 psi | 240 psi | 320 psi |

This test shows that SE 130 top coat by itself out performs the other coatings and when combined with SE 110MS it adheres so well that it can be warranted for 5, 10 or up to 20 years. No other coating can offer you this kind of performance.

Other Testing

ASTM E 84: Class 1 (low smoke and fire) rating.

ASTM.D 1653: Cured coating effectively creates a water vapor retarder.

ASTM G-53: Passes accelerated weathering and aging tests, indicating an expected life of 20+ years.

Safety :

Safe Encasement is safe! It contains no pesticides! Most pesticides including EPA registered pesticides have recognized health risks associated with them. Most pesticides have a low but finite volatility, which means that they escape into the air within the buildings which they are used. Most coatings contain one of the following pesticides:

- IPBC (3-iodo-2-propynyl butyl carbamate) to which most people that are allergic to shellfish (roughly 1 in 40) are likely to be allergic.
- Chlorothalonil, which is considered by the EPA to be a likely carcinogen.
- Halogens like chlorine, fluorine, bromine or iodine. These compounds are as notorious for causing allergic reactions as they are efficacious as pesticides.

Safe Encasement is safe! It contains no pesticides! No pesticides means:

- No EPA registration is needed
- No restrictions on use
- No health risk associated with coatings containing pesticides
- No applicator certification/licensing
- Peace of mind

Why take a chance with pesticide containing coatings when Safe Encasement gives you the same mold resistance without the use of pesticides?

Application:



SE130 top coat and SE110MS multi purpose primer are available in a 5 gallon pail or a 50 gallon drum. They can be applied with a brush, roller, commercial airless sprayer or cart/robotic spray systems that are used with commercial airless sprayers.



It is recommended that the airless sprayer has at minimum 3000 psi, .7 gpm with a .021 to .025 spray tip size. SE Sub is available in a 3 gallon kit. It is recommended that SE Sub be applied with a roller to achieve best results.

It is recommended that you apply SE 130 top coat at a 10-12 wet mil thickness. On non-porous surfaces this will give you a coverage rate of 135 to 160 square feet per gallon. On porous surfaces it is recommended that you do a test patch to determine the proper wet mill thickness. Your coverage is dependent on the condition of the surface but will generally be less than non-porous surfaces.

When using SE 110MS multi surface primer it is recommended that you achieve a 10-12 wet mill thickness. Coverage rates for SE 110MS primer is the same as SE 130 top coat.

SE130 top coat at a 10 mill dry thickness (requires for ASTM tests) will cost \$.32 per square foot for the product. You must add labor cost to determine total applied cost per square foot. This \$.32 per square foot product cost is better than most other coatings.

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| 1-SE01 | Safe Encasement 130 Top Coat (5 gallon pail)..... | \$ 250.00 |
| 1-SE02 | Safe Encasement 110 Primer (5 gallon pail)..... | \$ 250.00 |
| 1-SE03 | Safe Encasement Submersible (1 gallon pail)..... | \$ 130.00 |



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