



Engineered Coating Systems for the Built Environment

Armorize with AbShield™

Coating Systems for Chinese Drywall

GS – 504[®] & SI – 201[®]

Background

The need to address the issue with less-destructive measures was immediately recognized by AbShield™. The "lets use science instead of hammers" philosophy is the motivation driving this coating concept. Products engineered on the principals of breathable absorbent technology are the science behind the patent invention and formulation of the core ingredients that makes AbShield™ products a historic line of coatings.

Treating the drywall at the source, on both sides, is the principle for this AbShield™ coating system. The GS-504 and SI-201 coatings were specifically formulated to address off-gassing and related odors by providing a breathable coating matrix to promote absorption and neutralization of these effects by various techniques of chemical adsorption and use of ion exchange affinities at the molecular level.

The system is designed to be applied to the surface of the drywall in the living quarters' spaces and injected into the stud cavities and other confined or concealed spaces via a patent delivery system.

"Treatment at the source without removing the drywall."

Savings – Value Configuration & Cost Benefit Relationship

The costs to remove and replace the problem drywall, initially reported at \$35 per square foot has escalated upward to \$86 per square foot. The AbShield™ system is more attractive and sensible. Using our coating system to treat problem drywall will yield a savings that exceeds the original AbShield™ cost model mark of 73% as compared to drywall replacement.

Occupant displacement on the average is 95% less which is a benefit for the individual homeowner, developers, builders, owners and occupants in rental homes, and realtor listing speed to market.

You want reports? We got reports. Have some questions? We have the answers.

Coating system theory and case summaries, technology reviews, proof documentation as well as technical data sheets, MSDS sheets, question and answer sheets, and various other technical reports are available for your review.



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GS – 504®



AbShield™ GS-504 is a water-based coating designed to provide a breathable dry film matrix when applied to the surface of the drywall. The dried coating matrix has a perm rating of over 40 which allows the off-gassed elements to migrate into the coating for absorption and adsorption.

"Blue Gill" technology providing a breathable filtration system in the form of durable polymeric layers."



Our coatings are user friendly for spray and back-roll as well as brush and roller applications.

They apply similarly to conventional paints offering superior coverage and durability. The product formula includes an anti-microbial / anti-fungal system to protect the dried film layer from promoting fungal growth.

The coating provides an excellent bonding layer and is a superlative primer for final coats of the desired interior paints.

"Treatment at the source without removing the drywall."

For more information regarding this product, please see our product data sheets.

"Let's use science instead of hammers"



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SI - 201®



AbShield™ SI-201 powder coatings are electro-statically charged and injected into the spaces behind the drywall. The powder coatings are designed to adsorb the sulfur based gases and related odors when completely dispersed or when pocketed into sections of the concealed and confined spaces.



The consistency of the SI-201 allows for free movement within the spaces where it adheres to materials within the injected areas. The patent delivery process involves electro-static impulse air infusion, providing a static charge to the coating materials during the infusion process.

Once the materials are in place, a molecular absorbent layer is created along the backside of the drywall.

“Treatment at the source without removing the drywall.”

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“Let’s use science instead of hammers”



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