



How to improve on galvanized grid—  
with highly visible results.

# Donn<sup>®</sup> Brand Suspension Systems

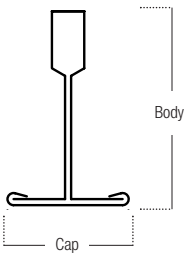
The background of the advertisement is a close-up, black and white photograph of metal suspension components. The image shows various bolts, nuts, and brackets, with some parts in sharp focus and others blurred, creating a sense of depth and industrial precision. The lighting highlights the metallic textures and the complex geometry of the hardware.

# USG has found *two* ways to make perform better than ever before.

# 1.

Give customers what they want.

USG uses hot-dipped galvanized steel for both the grid body *and* cap.



While painted, cold-rolled steel has been shown to perform as well as galvanized steel in grid components, the suspension systems market demands galvanized products. So USG is answering that demand by converting most of its grid components\* to hot-dipped galvanized (HDG) steel.

And we're taking this idea one step further by making the cap—as well as the body—from HDG steel—something our competitors don't always do. Corrosion on the cap, which is the most visible component of a suspension system, could ruin the ceiling's appearance and hinder its performance. Unlike other manufacturers, USG assures that its caps will be corrosion-free by manufacturing them only from HDG steel.

## USG

### Donn® Brand DX® Suspension System

240 hours of salt spray test per ASTM B117 and D1654\*\*

Cap samples with and without scratches (representing both pristine caps and those damaged during installation and use)

Samples of both scratched and unscratched USG caps, which are manufactured using hot-dipped galvanized steel and a unique, 4-step protective process, are subjected to salt spray conditions for 240 hours. Neither the unscratched, pristine cap nor the cap with scratches shows any ill effects such as red rust or compromised paint adhesion. The results illustrate that the new USG cap performs exceptionally well, even when scratched during installation or use.

\* USG has converted all of its suspension system components, except those made from aluminum and stainless steel, to HDG steel.

\*\* Samples evaluated using an air blow-off method as specified in ASTM D1654, Procedure A, Method 1.



# galvanized steel suspension systems

## 2.

Create an exclusive 4-step protective process for the cap that's better at preventing rust and ensuring paint adhesion. Independent lab tests clearly illustrate the improvement over competitive processes.

Beyond its being made of HDG steel, the cap on a suspension system is attractive and rust-free only if protected by a process that stands up to long-term exposure to air and moisture.

Using the unique capabilities of its state-of-the-art coating facility, USG has applied an exclusive, 4-step process to its cap steel that outperforms the competition in resisting corrosion and ensuring paint adhesion for the lifetime of the product. This process creates a cap surface that won't rust or flake, as proven by industry-standard salt spray tests conducted by an independent laboratory.

### Armstrong

#### 7300 PRELUDE® XL Suspension System

240 hours of salt spray test per ASTM B117 and D1654\*

**Cap samples with and without scratches (representing both pristine caps and those damaged during installation and use.**

Scatched and unscratched samples of the competitor's product, when subjected to the same conditions, exhibit poor performance, including substantial paint flaking and red rust on the cap surface. Damage is particularly extensive to the scratched cap. Scratches, which can occur during installation and use, leave the cap vulnerable: The painted surface fails, allowing the cap to rust.





**Technical Service**

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**SAFETY FIRST!**

Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.



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