



**Market:** Fireproofing  
**Product:** Nullifire<sup>®</sup> S606

## Mercedes Benz of West Chester West Chester, PA

Mercedes Benz of West Chester, PA is a stylish and state-of-the-art Mercedes dealership designed by Dever Architects of Chadsford, PA. The decision to go with an intumescent fireproofing product in this building was unique as it related to column footprint size and the remarkable savings in building area a thin-film fireproofing product could achieve. In fact, it was not the main showroom but the vehicle storage and service areas where the capabilities of Nullifire S606 really contributed to the building design.



*The stylish and state-of-the-art Mercedes Benz of West Chester dealership was designed by Dever Architects in Chadsford, PA.*

Due to the high value of their inventory, Mercedes needed to store many of their cars indoors, in a basement level vehicle storage area. It was important to maximize the number of cars that could be parked in the limited floor area. With numerous columns requiring the application of fireproofing, adding less than a quarter-inch film thickness of Nullifire S606 to the column footprints resulted in a surprising savings of floor area compared to conventional fireproofing and drywall encasement. In saving Mercedes several indoor parking spaces, the intumescent fireproofing more than paid for itself and illustrated an excellent example of the usefulness of thin-film fireproofing products beyond high-profile exposed architectural steel.



*Mercedes Benz needs to store their high value inventory indoors in a basement level parking area. The floor area saved on the column footprints by going with a thin-film intumescent fireproofing product allowed for several extra parking spaces.*

The use of Nullifire S606 on columns in the main floor vehicle service area also opened up additional floor area for service bays, and allowed Mercedes technicians to use the columns for hanging tool storage. Over the service life of the dealership the gradual collection of vehicle exhaust soot will be easily cleaned away as the smooth finish of intumescent fireproofing can be simply wiped down.

Nullifire S606 was also used on beams and trusses to achieve required fire resistance ratings and maintain a stylish “open ceiling” look throughout. The application of approximately 5000 gallons of Nullifire S606 was completed by Kent County Painting of Delaware. The building owners were very satisfied with the reduced column footprints, pleasing appearance and easy cleaning maintenance of the intumescent coating.



*Beams and trusses were coated with Nullifire S606 to achieve the required fire resistance ratings and maintain a stylish “open ceiling” look.*



*Reduced column footprints achieved with Nullifire S606 allowed for more space in the vehicle service bays. Vehicle exhaust soot can be easily wiped off the intumescent finish.*



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