



# Mercedes Benz Plant Expansion

During the most recent expansion of the plant, Ready Mix USA supplied more than 80,000 cubic yards of custom-designed concrete, tailored to meet the specific structural needs of this massive and challenging project.

The project consisted of expanding the existing plant, which manufactures four Mercedes-Benz models for the North American market, to 5 million square feet. The plant includes two large body shops, a paint shop, two assembly shops and logistics center

"This facility is huge, and the specs they wanted were impossible to meet with traditional concrete. Traditional concrete would have cracked. So we presented our low-shrinkage concrete, Arcanum®, to solve that problem," said Bill Brasher, value added products – training and sales manager for Ready Mix USA. "We poured 35,600 yards of Arcanum®, and there was no interim cracking anywhere within any of the slabs."

"We needed a surface that would allow the car building robots to operate without interference from the reinforcing steel, without sacrificing strength. Our Resilia® mix, which includes steel fibers added like an aggregate, was the perfect solution," Brasher said. Through testing, crews determined not only that the Resilia® reduced the potential for signal interference, but also that it saved time when compared to pouring concrete with traditional reinforcing steel.

Location: Vance, AL  
Category: Commercial  
Square Feet: 5 million  
Cubic Yardage: 80,000  
Date: 2016-2017



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