

Fire Restoration/Renovation in Glass Manufacturing Plant

Moore Restoration Services uses Sponge-Jet Sponge Blasting™ System in ceiling and attic sections of Midwest glass plant to remove soot and charred coatings



Immediately following a plant fire, facility owners turned to Moore Restoration to remove soot and charred residual coatings. The facility had to reopen as soon as possible. The char and contamination layers to be removed from the pine wood trusses and plywood sheets covering the ceiling were from 5 to 75 mils thick. Moore Restoration's decision to use Silver Sponge Media™ #80-grit abrasive and the Sponge-Jet Sponge Blasting™ System to restore the surface was based on a few key challenges:

■ **Dry Process** - Most of the plant was wood construction, which meant a dry process would be the safest and most efficient to use.

■ **Low Dust** - Conventional abrasives would be too dusty for sensitive plant equipment and the nearby finished glass inventory.

■ **Easy Set-up & Clean-up** - Downtime caused by extensive blast preparation and clean-up would delay reopening the factory past its projected date. A simple process was needed.

■ **Quick Production** - Production rates higher than hand-wiping were critical to keep plant shut-down to a minimum. An air driven process was preferred.



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to learn more about the
Sponge Blasting System

Moore Restoration blasted 13,000 ft² (1,208 m²) of wood trusses and plywood-ceiling surfaces as specified. Operators blasted 10 ft²/minute (56 m²/hr), which was twice as fast as estimated. Abrasive media consumption was cut by reusing Silver Sponge Media™ abrasive 12 times. The Sponge Blasting™ System cut downtime, allowing the glass plant to reopen earlier than planned. Moore's project manager noted, "even though the wood was roughened, it was fully cleaned of all coating, char and soot - posing no problem for repainting."