

GOLDMORR CASE STUDY

150 Year Old Historic Building

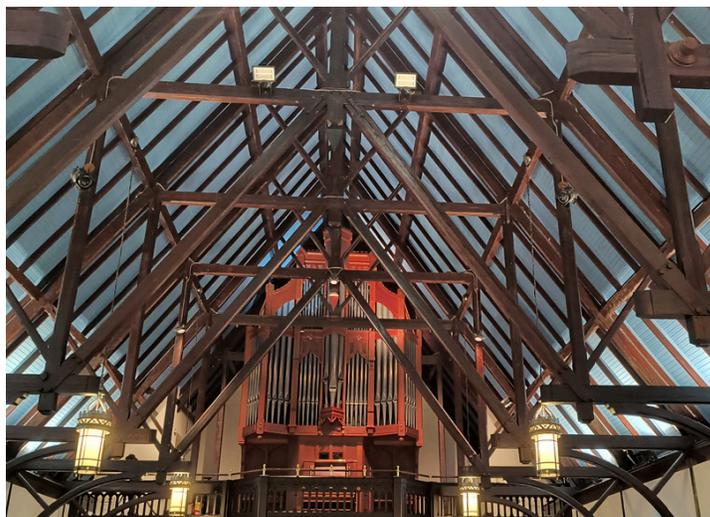
Measurable Success Under Extreme Constraints

PROJECT:

A restoration company was tasked with a complex remediation inside a 150-year-old historic church.

The cathedral ceilings were roughly 45' high to the peak. The decking had been painted with an acrylic base paint about ten years prior.

The church had lost control of the humidity and had a mold bloom grow over a couple of years times.



PROJECT CHALLENGES:

- 150-year-old historic structure requiring careful preservation
- 45-foot cathedral ceilings with limited access
- Required use of scaffolding and 14' extension poles
- Active HVAC system introducing cold, humid air during remediation
- Tight angles and unreachable surfaces that complicate traditional methods
- Client sensitivity to cost, disruption, and verification requirements

GOLDMORR SOLUTION:

Products & Methods

- GM6000 for targeted surface treatment and staining removal
- GM2000 fogging for comprehensive coverage, including high and inaccessible areas
- Strategic air movement to offset HVAC-driven humidity challenges
- Use of extension tools and scaffolding to reach cathedral ceilings
- Non-destructive application methods ideal for historic architecture



*Before & After -
No damage to
painted decking!*

Why Goldmorr Was Selected

- Non-invasive, low-impact process
- Faster project timelines
- Superior reach and penetration compared to traditional methods
- Scientifically validated results
- Lower labor intensity and reduced equipment demand

PROJECT TESTING RESULTS:

Independent Laboratory Verification

Eleven (11) swab samples: **No fungal growth detected**

One (1) swab: Trace basidiospores (typical of wood decay, rarely present indoors)

Results confirmed remediation effectiveness despite active HVAC humidity challenges

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number: Client Sample ID: Sample Location:	#1 Pulpit Ceiling Area North Of Peak	#2 Pulpit Ceiling Area South Of Peak	#3 Pulpit Ceiling Area Peak	#4 Ceiling Above Organ At Peak Of Ceiling	#5 Ceiling Above Organ North Side Of Peak #5	#6 Ceiling Above Organ South Side Of Peak #6
Spore Types	Category	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Fibrous Particulate	-	-	-	-	-	-

Lab Sample Number: Client Sample ID: Sample Location:	#1 North Side Window Sills/Rails	#2 South Side Window Sills/Rails	#3 Stair Wells	#1 Sanctuary Ceiling North Of Peak	#2 Sanctuary Ceiling Peak Middle	#3 Sanctuary Ceiling On South Of Middle
Spore Types	Category	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	Rare
Bipolaris++	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Fibrous Particulate	-	-	-	-	-	-

PROJECT OUTCOME:

The Goldmorr System enabled a fast, efficient, and scientifically verified remediation.

Client Outcome - Restored and safe environment with a financial savings of \$11,000.

Restoration Company Outcome - Besides a job well done, industry recognition from hygienists & engineers praising documentation clarity, measured performance and strong lab results.

