



Novec™

Brand

Future-proof Fire Protection: Protecting the Alamo

The over 7,000 members of the Daughters of the Republic of Texas are committed to preserving the memory and spirit of their ancestors who served the Republic of Texas before it became a U.S. state.^{1,2} Their library, located in the original Alamo compound in San Antonio, TX, houses over 38,000³ irreplaceable artifacts: books, art, photographs, documents and maps representing the cultural heritage and origins of Texas.

Caring for the past, looking to the future

After the Daughters of The Republic of Texas Library suffered an accidental discharge of its outdated fire suppression system, the Daughters began to look for a replacement system to protect their collection with an eye to the future.

They knew that simply extinguishing a fire is not enough when protecting historical treasures. The collateral damage to delicate historical objects

from extinguishing agents that leave behind water or chemical residues can be significant and potentially costly or impossible to repair, or worse yet, can permanently disfigure priceless artifacts. In addition, the solution needed to work within the existing space of the historical building on the Alamo compound, had to have a high margin of safety for the curators, researchers, tourists and other people using the space and had to be environmentally sustainable – all while remaining cost effective.

Effective fire protection without compromises

The Daughters selected a SAPPHIRE® fire suppression system using [3M™ Novec™ 1230 Fire Protection Fluid](#) as the extinguishing agent. [Novec 1230 fluid](#) is a clean extinguishing agent ideally suited for the protection of libraries, archives and document repositories. It evaporates quickly and without residue, so it can be

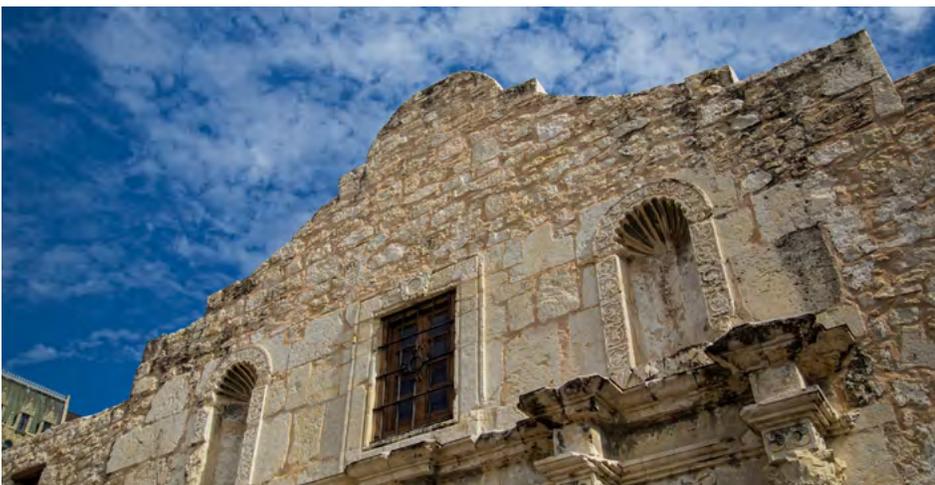
discharged in rooms containing books, precious artwork, artifacts, sensitive electronics and other delicate items without causing harm.

“3M Novec 1230 fluid is our insurance policy that lets us breathe a little easier.”

Because Novec 1230 fluid is stored as a liquid and discharged as a gas, less space is needed for agent storage and architects and engineers have more flexibility when planning how to integrate a Novec 1230 fluid fire suppression system into an existing historic building. Plus, it offers the highest margin of safety for human occupancy of any clean agent,⁴ helping protect researchers, tourists, and curators alike, and in addition has exceptional environmental properties.

“The library houses many one-of-a-kind pieces representing the cultural heritage of Texas and that are irreplaceable and vital to the education of future generations,” said Leslie Stapleton, library director at The Daughters of the Republic of Texas Library. “Fire safety is always a concern in a preservation setting and 3M Novec 1230 fluid is our insurance policy that lets us breathe a little easier.”

As a result, museums and archives across the United States have selected it as the agent of choice to protect invaluable historical assets, from the Pennsylvania State Library’s Benjamin Franklin Collection to the Daughters’ archival collections of Texans’ personal and family papers dating back to the 1700s.



¹ <https://www.drinfo.org/membership-2/how-to-become-a-member>. Accessed January 31, 2019.

² http://www.drinfo.org/members/wp-content/uploads/2017/06/M_genealogy-worksheet.pdf. Accessed January 31, 2019.

³ <http://www.drinfo.org/drt-library/about/collection-overview>. Accessed January 31, 2019.

⁴ Among clean agents listed in the NFPA 2001 standard, 2018 edition.

Smart. Safe. Sustainable.

The 3M™ Novec™ Brand Family

The Novec brand is the hallmark for a variety of proprietary 3M products. Although each has its own unique formula and performance properties, all Novec products are designed in common to address the need for smart, safe and sustainable solutions in industry-specific applications. These include precision and electronics cleaning, heat transfer, fire protection, protective coatings, immersion cooling, advanced insulation media replacement solutions and several specialty chemical applications.

3M™ Novec™ Engineered Fluids • 3M™ Novec™ Aerosol Cleaners • 3M™ Novec™ 1230 Fire Protection Fluid • 3M™ Novec™ Electronic Grade Coatings • 3M™ Novec™ Electronic Surfactants • 3M™ Novec™ Insulating Gases

Safety Data Sheet: Consult Safety Data Sheet before use.

Regulatory: For regulatory information about this product, contact your 3M representative.

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