



Tel	/	561.277.9751
Email	/	info@3bprotection.com
Web	/	www.3bprotection.com
Inquiries	/	estimating@3bprotection.com
Addr	/	364 Cypress Drive, Suite 102, Tequesta, FL 33469

3B FR480™

3B FIREWALL – 8-HOUR RATED PASSIVE FIRE BARRIER:

This advanced wall system has been independently tested and verified to deliver 480 minutes (8 hours) of continuous fire resistance under ASTM E119. During testing, the assembly withstood peak furnace temperatures of 2,075°F and successfully passed the rigorous ASTM E2226 hose stream test, demonstrating structural integrity following prolonged thermal exposure. Constructed using 3B's proprietary non-combustible material, the system provides reliable, maintenance-free protection for critical infrastructure.

Designed for the most demanding environments, the FR480™ represents one of the highest fire-resistance ratings available for precast wall systems. Achieving a full 8-hour fire rating demonstrates the system's exceptional durability and ability to perform under severe fire conditions, providing an added level of resilience and confidence for facilities where uninterrupted protection is essential.





KEY FEATURES:

- Verified 8-Hour Fire Resistance (ASTM E119)
- Hose Stream Resistant (ASTM E2226)
- Built with 3B Proprietary Non-Combustible Material
- Minimal Spalling / High Thermal Stability
- Fast Installation – Modular
- Sustainable Composition – Contains 15–35% recycled content
- Blast- and ballistic-resistant designs available

IDEAL APPLICATIONS:

- Battery Energy Storage Systems (BESS)
- Substations and Utility Infrastructure
- Critical Infrastructure and Government Facilities
- Telecom Shelters and Data Centers
- Hazardous Material and Chemical Facilities
- Wildfire-Prone Zones
- Emergency Deployable Fire Walls

TESTING SUMMARY:

- **Tested at:** Independent Accredited Laboratory
- **Fire Duration:** 480minutes
- **Peak Temperature:** 2075°F
- **Post-Test:** Passed ASTM E2226 hose stream
- **Observations:** Final furnace temperatures reached nearly 300°F above the ASTM E119 standard fire curve.
- **Construction:** Proprietary 3B fire-rated system

