



PITT-CHAR[®] XP

The ultimate flexible intumescent coating for modular construction



**PPG Protective &
Marine Coatings**

Bringing innovation to the surface.™



PITT-CHAR® XP

The ultimate flexible intumescent coating for modular construction

For over 30 years, the *PITT-CHAR XP* product has been widely used for projects that require modular construction. As the only patented flexible epoxy intumescent on the market, it has a track record of delivering increased impact and vibration resistance, superior crack protection in service, and long-term performance under severe circumstances including cold weather climates with constant freeze/thaw cycles.

The *PITT-CHAR XP* product – the single-product solution for fire and cryogenic spill protection

- The *PITT-CHAR XP* product is the only patented flexible epoxy intumescent on the market
- A single coating solution that provides protection in extreme conditions against hydrocarbon hazards – explosions, impacts, fires, and cryogenic spills
- Two-component, 100% solids, flexible, epoxy intumescent fire protective coating
- Introduced in 1983, the *PITT-CHAR XP* product has more real-time history than any other epoxy intumescent coating available today with hundreds of projects successfully completed globally
- Specially formulated to protect onshore and offshore oil and gas processing facilities
- Highly efficient single layer for cryogenic spill protection – no expensive and brittle syntactic foam insulation required

The unique flexibility of the *PITT-CHAR XP* product ensures that the PFP/CSP can be confidently applied either in-shop or onsite – without the cracking issues that rigid epoxy systems often encounter during transportation and erection of coated steelwork.

This flexibility also reduces impact and abrasion damage during construction, reducing subsequent remedial repairs and, once in service, any subsequent repair work due to mechanical damage and other defects.





Avoid damage during transportation, erection, commissioning and operations

- Single system reduces application complexity and overcoating and cure time
- Faster turnaround of steel
- Smaller block-outs possible reducing site work
- Flexible, tough system ensures cracking and damage resistance
- Resists cracking during slinging and handling
- Prevents damage by other trades (pipe fitters, insulators, etc.)
- Can be used over carbon steel or galvanized steel

Reduced long-term inspection and maintenance cost

- Excellent long-term environmental resistance – UL tested for industrial environments
- Over 30 years' successful track record
- Extended inspection window – can eliminate annual inspections and constant patching
- Future-proofs the facility against hazards such as jet fire and explosion not currently mandated in API guidance but identified by the Chemical Safety Board (CSB) reference as real threats

The *PITT-CHAR XP* product has comprehensive approval certifications from recognized authorities including ABS (American Bureau of Shipping), BV (Bureau Veritas), DNV (Det Norske Veritas), Lloyd's Register, UL (Underwriters Laboratories), GASAFE and many others.



Flexible PFP captures savings in block-out applications.

Steel was fireproofed before erection, resulting in two types of cost savings:

1. Reduction in scaffolding cost (no scaffolding required to apply fireproofing).
2. Savings in craft productivity (scaffolding not interfering with multi craft and discipline work).



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