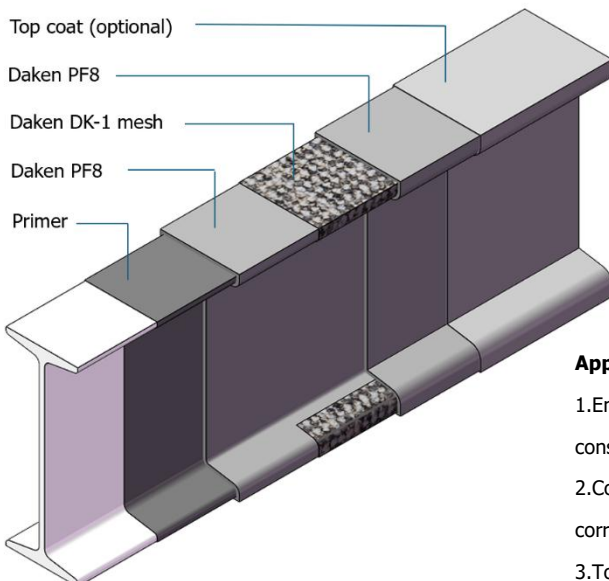


An aerial night view of a large industrial refinery. In the foreground, a tall, slender distillation column stands prominently, illuminated from below. The rest of the facility is a complex of pipes, tanks, and structures, all lit up with warm yellow lights. In the background, a city skyline is visible across a body of water, with various lights and buildings under a dark blue twilight sky.

**DAKEN PF8 Epoxy Intumescent  
Passive Fire Protection (PFP)  
Coating**

Daken PF8 is a solvent-free epoxy intumescent passive fire protection (PFP) coating system, specifically developed to provide efficient application properties together with outstanding fire protection performance and long-term durability, complies with the performance test standard for UL 1709 and ISO 22899-1. When exposed to the high temperatures generated during a fire, the Daken PF8 coating expands to form an insulating char layer, significantly reducing the rate of temperature rise in the protected substrate. This insulating char helps maintain the structural integrity of steelwork, providing critical time for personnel evacuation and helping essential equipment remain operational when required.

The Daken PF8 coating system is suitable for the fire protection of structural steel in industries including oil and gas, petrochemical, chemical processing, and power generation. It is particularly suitable for hydrocarbon fire environments such as petrochemical facilities, offshore drilling platforms, FPSOs, refineries, and oil storage terminals.



**Application conditions:**

- 1.Environmental climate conditions: Temperature  $>10^{\circ}\text{C}$ , humidity  $<85\%$ , and good ventilation in the construction environment.
- 2.Coating substrate: Generally, this fireproof coating is sprayed on the surface of the anti-rust and anti-corrosion paint for steel structures, and also on the surfaces of both wooden and concrete substrates.
- 3.Topcoat: This fireproof coating does not need a topcoat, or a topcoat varnish or decorative coating can be applied as required.

## Product Data

Item	Unit	Data
Number of components	-	2
Solid content	%	100
Bonding strength	MPa	3.01
Touch dry /20°C	Hour	6
Freeze-thaw resistance	Cycle	≥15
Equivalent thermal resistance	m <sup>2</sup> ·°C/W	0.291
VOC	g/L	23
Shelf life	month	12

Daken PF8 series solvent-free epoxy coating (PFP) system could provide protection from 1.5hours-3.0hours against rapid temperature fire, no mesh reinforcement needed in the coating application for 1.5h -2.0h fire protection and with very light coating applied compared with other epoxy intumescent coating systems.

Daken could provide PFP coating system including epoxy zinc primer, the epoxy tie coat, the epoxy fire proof coating and topcoat which is depends on the need.

Technical experts from Daken could provide integrated solutions according to the site situations.



## Company Certificates

