



Open-Top Combustible Containers

27/28 May & 9/10 June 2026

Open-Top Combustible Containers



Rack Storage



Palletized / Solid-Pile



Top-Load ASRS



Mini-Load ASRS

00:00



Open-Top Combustible Containers

**Different materials, same
result**



Delays water penetration

Open-Top Combustible Containers

Class 2



Cartoned
Unexpanded Plastic



Uncartoned
Unexpanded Plastic



OTCC



Critical Delivered Flux



Class 3

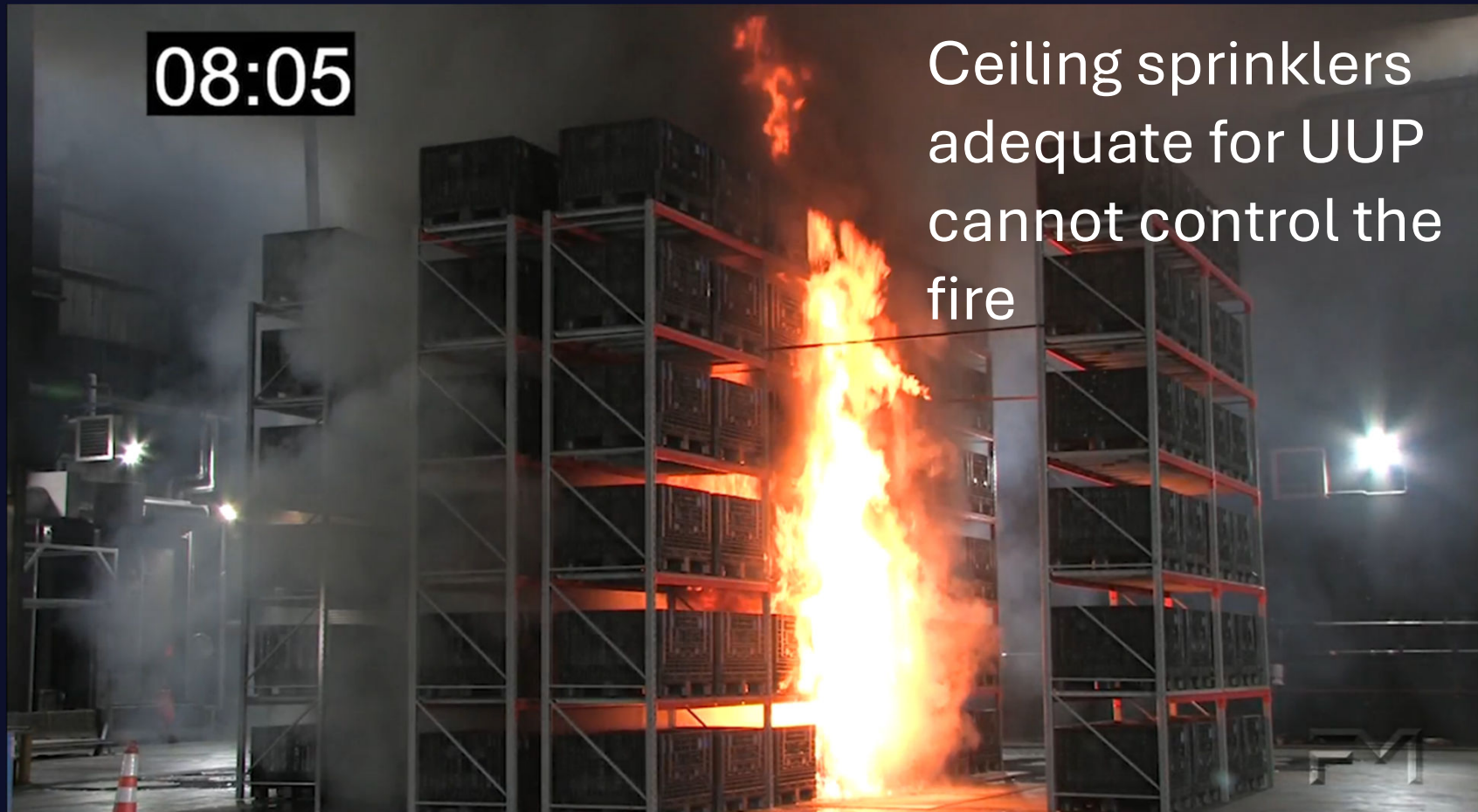


Cartoned Expanded
Plastic



Uncartoned
Expanded Plastic

Open-Top Combustible Containers



Data Sheet 8-9 Rack Storage

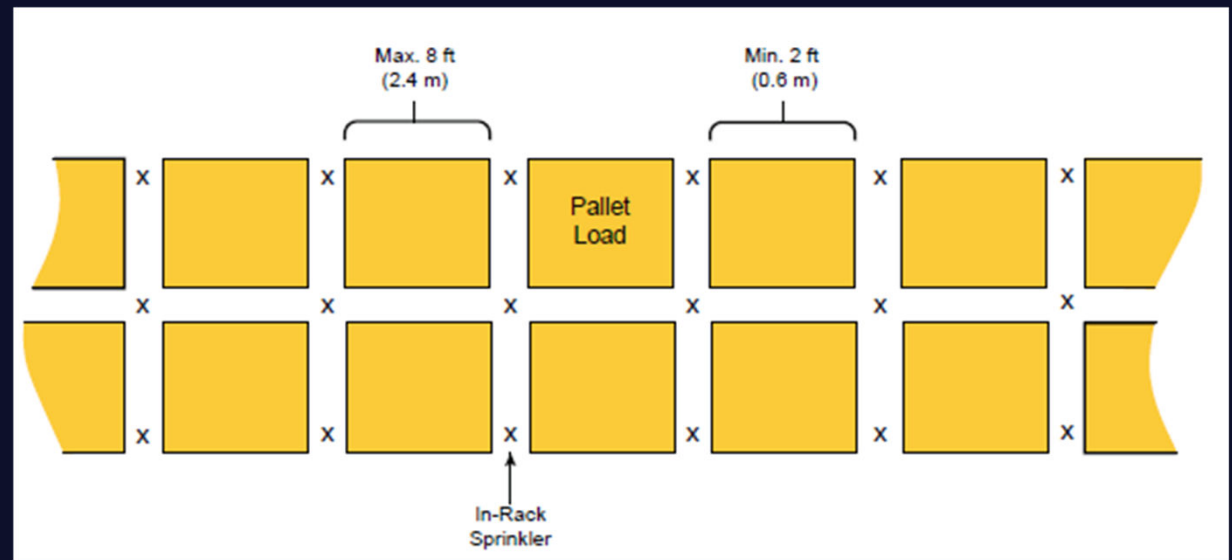


Put open-top
containers on the
bottom tier of the
rack only

Data Sheet 8-9 Rack Storage



Layers of in-rack sprinklers
every 3 m vertically



Data Sheet 8-9 Palletized Storage

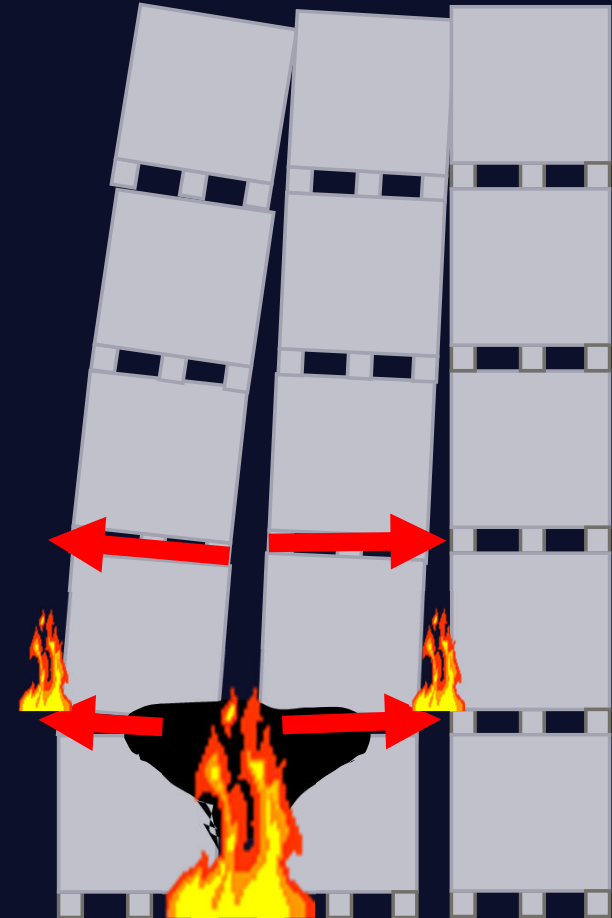


In current guidance, there is no distinguishment between open- or closed-top containers

Data Sheet 8-9 Palletized Storage

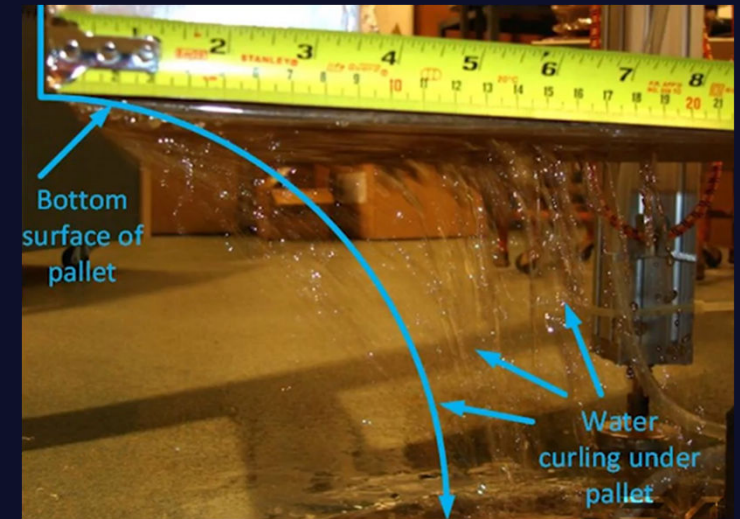


Collapse of piles reduces the fire hazard (reduced burning height, dispersed commodity wetted by sprinklers)
sprinkler discharge



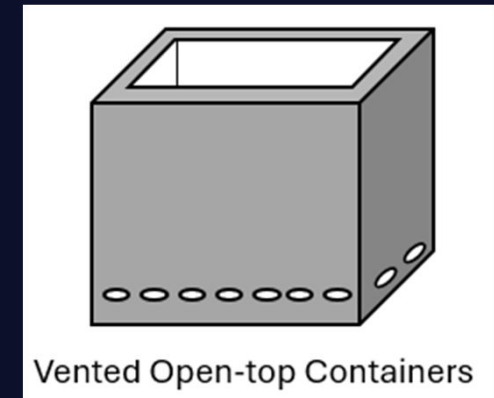
What about?

- Lids on the containers on the top tier? (doesn't work)
- Solid lids on all containers – Ok
- Lids + gridded bottom containers – Bad (fire gets inside containers and is shielded from sprinklers)



Data Sheet 8-9 (Future)

- FM Approval Standard 4993 for vented open-top combustible containers (bulk-sized)
- New ceiling-only protection schemes for rack storage
- New protection criteria for palletized storage



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