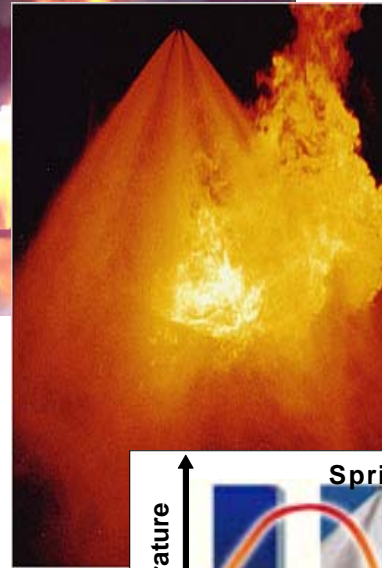


FIRE PROTECTION OF STEEL STRUCTURES USING SPRINKLER SYSTEMS ASFE, Prague, Czech Republic 19.-20..2.2009

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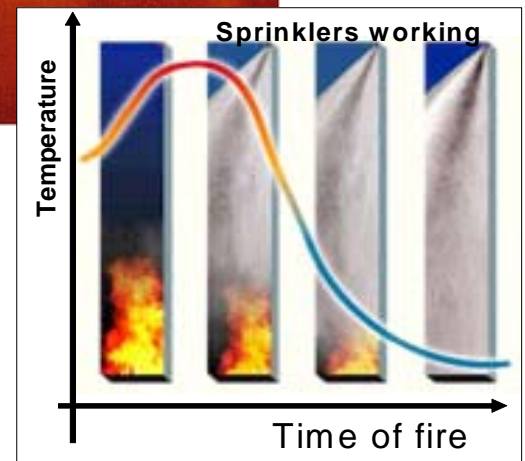
Normal sprinklers

- Protection up to R60
1-2 storey buildings
- Covers trusses, bracing,
columns
- Cost-effective way of protection,
especially in cases where the
sprinklers are required by
authorities
- Based on water cooling the steel in
fire situation
- Better safety to people and
property
- More research coming concerning
ESFR sprinklers



Hi-fog sprinklers

- Co-operation with Marioff
corporation
- Much less water than in normal
sprinkler system
- Good to buildings where the risk of
damage due to watering is high
(museums, historic buildings etc.)
- Based on fine water mist



Rautaruukki Corporation

Rautaruukki supplies metal-based components, systems and integrated systems to the construction and engineering industries. The company has a wide selection of metal products and services. The Corporation uses the marketing name Ruukki.