

GBC(2)32/2019-20

Date: 30-01-2021

"Office Order"

Sub: Use of Chlorinated Polyvinyl Chloride CPVC systems for Automatic Fire Sprinkler extinguisher systems for Low Hazardous/ Light Hazardous occupancy.

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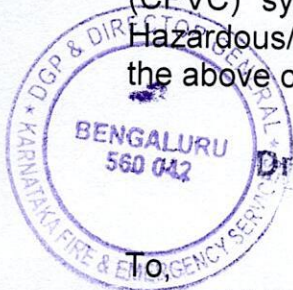
With reference to the above subject the use of Chlorinated Polyvinyl Chloride CPVC systems for Automatic Fire Sprinkler extinguisher systems for Low Hazardous/ Light Hazardous occupancy was examined and following point were noted.

- Automatic fire Sprinkler system have to be designed and installed in accordance to IS 15105(Design and Installation of Fixed automatic fire sprinkler extinguishing system) and provision of NBC 2016 Part IV, table 7 – Minimum requirements of Fire Sprinkler Installation.
- BIS recommends use of CPVC pipes as per IS: 16088 (Chlorinated Polyvinyl Chloride Pipes for Automatic Fire Sprinkler extinguishing system) for wet piping systems as an alternative to steel pipes.


Based on the above, fact that CPVC system is used internationally and also recommended by BIS, this department has no objection as long as the following criteria are met for use and installation in Low Hazardous/Light Hazardous occupancy. List of the Occupancy is as per the "Clause-5 of IS 15105-2002 Classification of Occupancy".

1. CPVC Pipes shall confirm to IS: 16088: Chlorinated polyvinyl Chloride (CPVC) pipes for automatic sprinkler fire extinguishing systems.
2. The pipes and fittings shall be UL listed.
3. The installation shall be carried out as per IS 15105: Design and installation of fixed automatic sprinkler fire extinguishing systems.

In this regard the inspecting officers are here by directed to make recommendation in inspection report for the use of Chlorinated Polyvinyl Chloride (CPVC) systems for Automatic Fire Sprinkler extinguisher systems for Low Hazardous/Light Hazardous buildings henceforth subject to the fulfilment to follow the above condition strictly without fail.



Draft approved by the
D.G.P & D.G.


✓ Director General of Police 30.1.21
and Director General
Karnataka State Fire and Emergency Services.

- To,
1. All District Fire Officer, Karnataka Fire and Emergency Services.
 2. All Regional Fire Officer, Karnataka Fire and Emergency Services.
 3. All Chief Fire Officer, Karnataka Fire and Emergency Services.
- Copy for Information:
1. The Director, Karnataka Fire and Emergency Services.
 2. All Deputy Director's Karnataka Fire and Emergency Services.