

Fire-resistant for buildings  
Rigid polyvinyl chloride pipe  
and fittings (For building  
drainage/ventilation)

SEKISUI

# ESLON™ FS-VP™ Pipe/ ESLON™ FS-DV™ Fittings

In case of  
a fire!

## Building drainage pipes and vent pipes will prevent flames

Residential  
complexes

Office buildings

Hotels

Schools

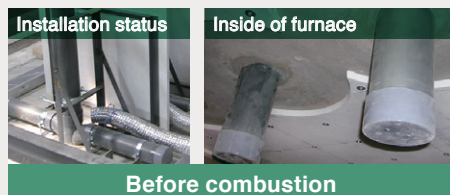
Can be widely used in drainage/  
ventilation/sewage pipelines

(Single pipe systems, loop vent systems, stack vent systems)



Status of fire  
resistance test

The heat causes the middle layer of the pipe to expand and blocks the infiltration of heat from the penetration sections. Prevents the spread of flames in the event of a fire.



Before combustion



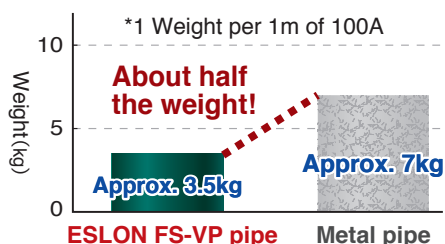
After combustion  
(two hours later)

The middle  
layer expands  
to prevent the  
spread of fire!

## Features

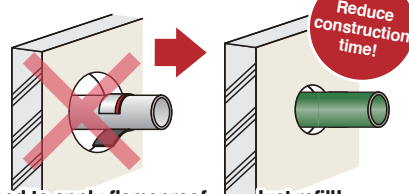
### 1 Lightweight and compact

ESLON FS-VP pipe is **less than half the weight** of a metal pipe and is as lightweight as a normal PVC pipe.



### 2 Easy construction

- It can be handled in the same way as conventional PVC pipes.
- It is easier to cut and handle compared to metal pipes.
- Penetrate fire protection compartments by simply refilling pipes and joints with mortar.

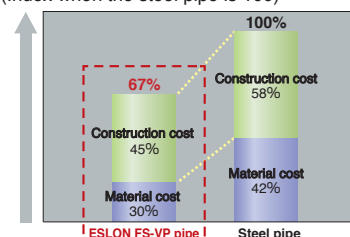


No need to apply flameproof treatment to pipes that penetrate the compartment!

Just refill!  
\*Case study in Japan

### 3 Low cost

■ Economic comparison of loop vent system  
(Index when the steel pipe is 100)



• Achieve total cost reduction with materials and construction.

10-story office building with a height of 4m

- Diameter of pipes Stand pipe drainage/ventilation .....100A
- Drainage horizontal branch pipe .....100A
- Loop vent pipe ..... 50A

\*Refer to "Estimation Standards of Public Building Works" (2019 Edition) for construction cost. Refer to June 2020 construction prices for material cost. \*Case study in Japan

## Example



Newly constructed  
(ceiling drainage pipe)



Newly constructed (ceiling drainage pipe)



Refurbished (The horizontal branch  
pipe is connected to the conventional pipe)



Refurbished (The stand pipe 1m  
from the compartment is connected  
to the conventional pipe)

\*ESLON FS-VP pipe complies with JIS K 6741, but please contact us for details.

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