

# THE BLAZEMASTER® CPVC ADVANTAGE



## THE INSTALLATION PROCESS SIMPLE, SECURE AND TRUSTED GLOBALLY

### CPVC

- Hands-on installation support
- Easy installation process
- Pipes and fittings of highest quality and value
- Safe, secure and reliable

### PP-R

- Difficult and costly installation
- Inefficient process that requires heating and cooling tools
- No stops on fittings requires witness marks
- Additional space required
- Fusion welding tools heat up to 260°C, creating a burn hazard

***BlazeMaster***®  
FIRE PROTECTION SYSTEMS



**HELPING YOU AND  
YOUR COMPANY  
TO GROW  
AND BE MORE  
SUCCESSFUL**

## HYDRAULICS

USE LESS MATERIAL, ACHIEVE BETTER RESULTS

### CPVC

- BlazeMaster CPVC uses 56.25% less material and achieves the same pressure rating
- Features reduced wall thickness for same or better flow rate at smaller pipe size
- Smooth internal pipe surface for better hydraulic performance

### PP-R

- PP-R features a thick tube wall that results in lower flow rate
- Heat fusion leads to bead formation, which increases friction and reduces flow rate

## BEHIND THE MATERIAL

SPECIALIZED RAW MATERIALS MADE TO LAST

### CPVC

- FM approved for concealed and exposed (residential) applications
- UL and LPCB listed
- Tensile strength of 55 MPa resulting in higher material durability
- WRAS approved for potable water applications

### PP-R

- FM approved for concealed only
- No UL listing
- Tensile strength of 27,7 MPa
- No WRAS approval
- Issues with chlorine intolerance and UV rays

## FLAMMABILITY

RESISTANT TO HOTTER TEMPERATURES

### CPVC

- Superior flame and smoke resistance
- Limiting Oxygen Index of 60

### PP-R

- Requires flame-retardant layer
- Limiting Oxygen Index of around 20

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The information contained herein is reliable based on current information but the advertiser makes no representations, guarantees or warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose, or regarding the completeness, accuracy, or timeliness of any information. Always consult your pipe and/or fitting manufacturer for current recommendations.

3.50<sub>mm</sub> of  
25<sub>mm</sub> fibre  
reinforced  
ppr pipe



1.90<sub>mm</sub> of  
20<sub>mm</sub> cpvc pipe

Visit **blazemaster.eu**.  
To speak with a consultant  
call **00 44 (0)1332 842211**  
or email  
**blazemaster.emena@lubrizol.com**.

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