



## AENOR Product Certificate



001/005932

AENOR certifies that the organization

### ALFATUBO - EMPRESA DE PLASTICOS TECNICOS, Lda.

registered office RUA POENTE. PAÇOS 4410-034 SERZEDO VNG (Porto - Portugal)

supplies **Plastics piping system for hot and cold water installations. Polypropylene**

in compliance with UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)  
UNE-EN ISO 15874-5:2013 (EN ISO 15874-5:2013)

SYSTEM DESCRIPTION Trademark: ALFATHERM ®  
Type of joint: Thermofusion / Metallic parts  
Application class / Design Pressure (bar): 1/10 ; 2/8 ; 4/10 ; 5/6

See annex for more information.

Production site RUA POENTE. PAÇOS 4410-034 SERZEDO VNG (Porto - Portugal)

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 01.16.

First issued on 2013-02-15  
Last issued on 2023-02-15  
Validity 2028-02-15

Rafael GARCÍA MEIRO  
Chief Executive Officer





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### Annex to Certificate

SYSTEM DESCRIPTION Trademark: ALFATHERM®  
Type of joint: Thermofusion / Metallic parts  
Application class / Design Pressure (bar): 1/10 ; 2/8 ; 4/10 ; 5/6

| SYSTEM COMPONENT                        | DIAMETERS (mm)  | MATERIAL             | REFERENCES                   |
|---|---|----------------------|------------------------------|
| Pipes (AENOR Certificate N° 001/006497) | 20 - 25 - 32  | Polypropylene (PP-R) | ---                          |
| Elbow 90°                               | 20 - 25 - 32  | Polypropylene (PP-R) | PPJLFFOXXXXP ;<br>PPJLMF032P |
| Elbow 90° female/female                 | 20 - 25 - 32  | Polypropylene (PP-R) | PPJFRFOXXXXP                 |
| Elbow 90° female/male                   | 20 - 25 - 32  | Polypropylene (PP-R) | PPJFRMOXXXXP                 |
| End cap                                 | 20 - 25 - 32  | Polypropylene (PP-R) | PPTPOXXP                     |
| Equal tee                               | 20 - 25 - 32  | Polypropylene (PP-R) | PPTS0XXP                     |
| Reduced tee                             | 25x20x25 ; 25x20x20 ; 25x25x20 ;<br>32x20x32 ; 32x25x32 | Polypropylene (PP-R) | PPTRXXXXXXP                  |
| Reducer                                 | 25x20 ; 32x25   | Polypropylene (PP-R) | PPURFFOXXOXXP                |
| Socket                                  | 20 - 25 - 32  | Polypropylene (PP-R) | PPUSOXXP                     |
| Straight female                         | 20 - 25 - 32  | Polypropylene (PP-R) | PPUFRFOXXXXP                 |
| Straight male                           | 20 - 25 - 32  | Polypropylene (PP-R) | PPUFRMOXXXXP                 |

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