



FLEXIBLE BEND 1m

(ABS031 - 25mm)

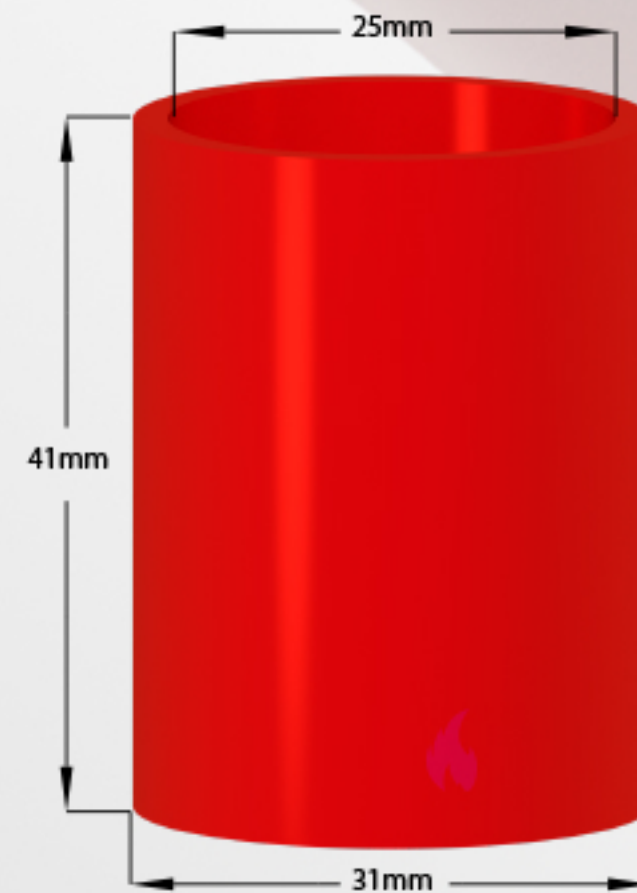
Soft PVC hose with embedded steel wire reinforcement.
Very flexible, strong, abrasion resistant, smooth inside and outside.

Installation Instructions:

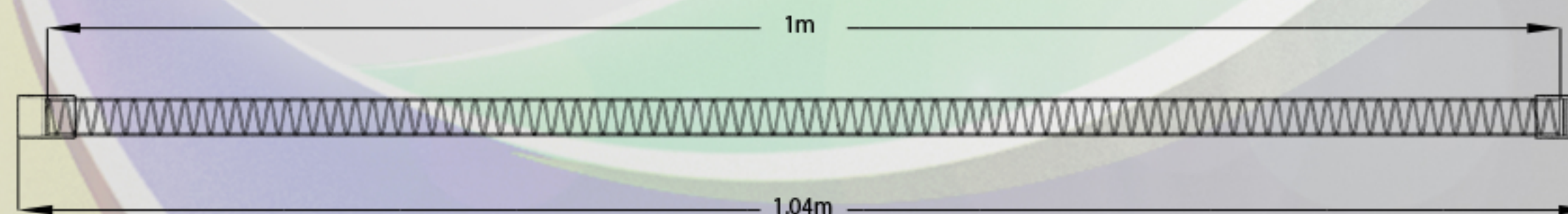
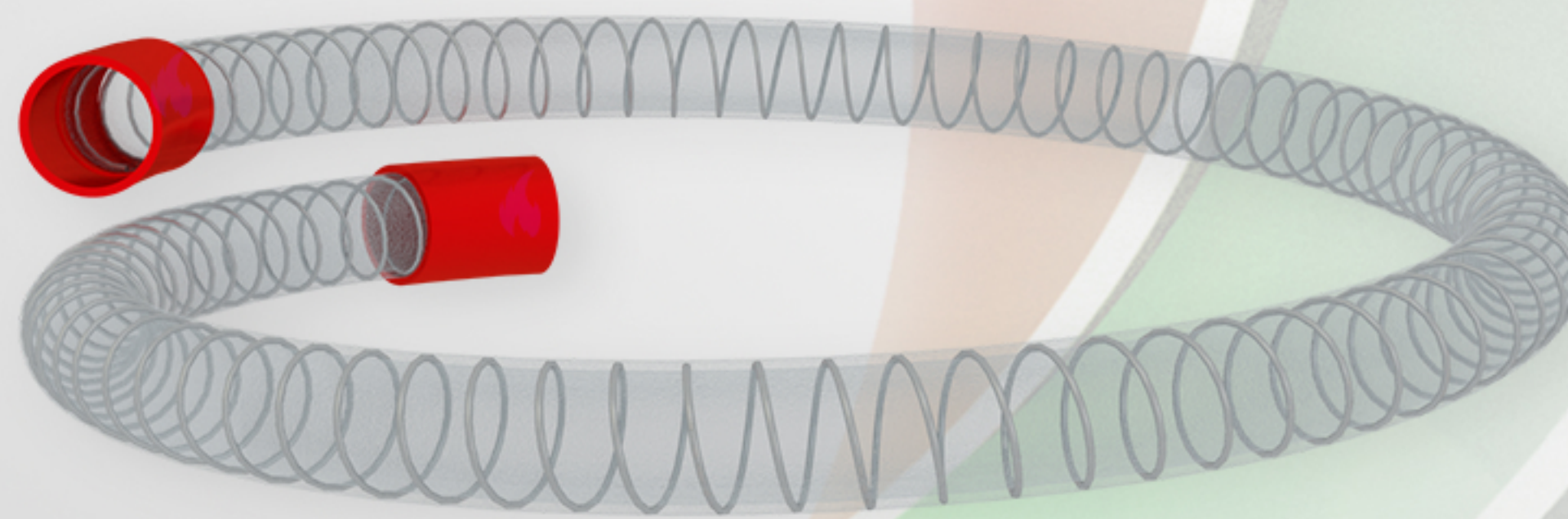
- Do not paint.
- Keep pipe clean and free from dust.
- Do not install in direct sunlight.
- Only install with approved pipe.
- Do not use solvents to clean, only soapy water.

Part No. ABS031-25
Fittings colour RED
Pipe Color Transparent
Diameter Tolerance +/- 0.15mm

Jointing Socket Side Elevation



Jointing Socket Front Elevation



RAW MATERIAL DATA

Soft PVC

Temperature range: -5°C to 65°C
 Wall Thickness: 3.5mm
 Weight: 360 gr./mtr.
 Bending Radius: 55mm
 Working pressure: 5 bar at 23°C
 Vacuum: 8.5 m. H₂O
 Steel coil length: 60 mtr.

All technical specifications apply to a temperature of 23°C ±2°C (ISO 291) - Tolerance on all specifications ±5%

3M Scotch-Weld DP-8005 cement

Able to withstand:
 4 months at 70°F (21°C) (Control)
 4 months in water at 140°F (60°C)
 4 months dry at 120°F (49°C)

Each of the tested bonds showed little or no degradation from extended aging.

In general, the bonds showed excellent resistance to most environments except toluene and gasoline.

Notes for use:

The product can be used under the following conditions:

Temperature Range -5°C to 60°C
 Shear Force up to 930 PSI
 Humidity up to 95%
 Working pressure up to 5 bar at 23°C

Can be immersed in water for up to 4 months at 60°C

Can not be used if the product will be contaminated with gasoline or toluene

Cement used to glue the tube to the end pieces show no significant degradation from ageing

RAW MATERIAL DATA

Kumho ABS 750 Acrylonitrile Butadiene Styrene

Physical:
 Specific Gravity 1.04
 Test Method ASTM D792

Melt Mass - Flow Rate (MFR)
 200°C/21.6 kg 47 g/10 min
 200°C/5.0 kg 4.1 g/10 min
 220°C/10.0 kg 34 g/10 min
 Test Method ASTM D1238

Molding Shrinkage -
 Flow 0.0040 to 0.0070 in/in
 Test Method ASTM D955

Mechanical:
 Tensile Strength
 Yield, 73°F (23°C)
 1.97 in (50.0mm)
 6670 psi
 Test Method ASTM D638

Tensile Elongation
 Yield, 73°F (23°C)
 1.97 in (50.0 mm), 15%
 Test Method ASTM D638

Flexural Modulus
 Yield, 73°F (23°C)
 0.118 in (3.00 mm)
 312000 psi
 Test Method ASTM D638

Flexural Strength
 Yield, 73°F (23°C)
 0.118 in (3.00 mm)
 9230 psi
 Test Method ASTM D790

Impact
 Noched Izod Impact
 73°F(23°C), 0.126 in (3.20 mm), 5.5 ft-lb/in
 73°F(23°C), 0.252 in (6.40 mm), 4.8 ft-lb/in
 Test Method ASTM D256

Hardness
 Rockwell Hardness (R-Scale) 108
 Test Method ASTM D785

Thermal
 Deflection Temperature Under Load
 264 psi (1.8 MPa), Unanneald 185°F/85°C
 Test Method ASTM D648

Vicat Softening Temperature 203°F/95°C
 Test Method ASTM D1525

Flamibility
 Flame Rating
 0.0630 in (1.60 mm) HB
 0.0866 in (2.20 mm) HB
 0.126 in (3.20 mm) HB
 Test Method UL 94

Bisson Ltd
 Unit 11, Eldonwall Trading Estate,
 St.Phillips, Bristol, BS4 3QQ

Tel: 0117-967-9999
Fax: 0117-961-9261
<http://www.abspipesandfittings.co.uk>