

PPR Pipes & Fittings

Manufactured by Hepworth

PRODUCT GUIDE

TERMS OF USE

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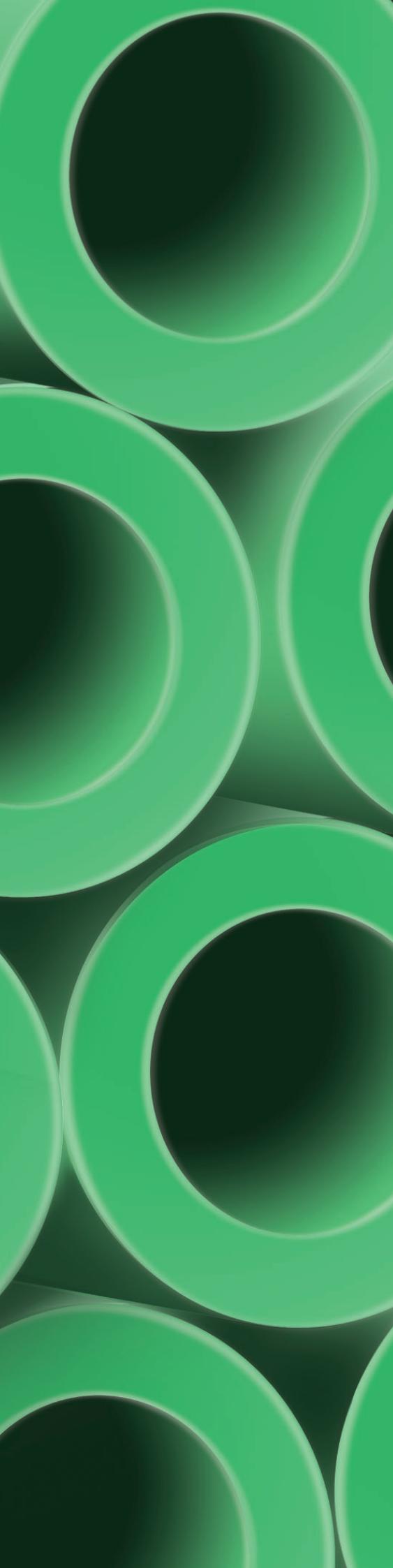


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Introduction

Hepworth PME LLC is the Middle East's premier manufacturer and supplier of plastic piping solutions. The company was established over 40 years ago in Dubai and manufactures pipes and fittings in the UAE, Oman and Qatar. Moreover, Hepworth trades through operating companies in Oman and Bahrain and exports its products globally.

As part of its strategy to grow its products portfolio, the company recently launched its own brand under the name of Dacta, a locally-manufactured range of uPVC solvent cement piping system, along with two sub-brands, Dacta Therm (PPR piping system) and Dacta Silent (Polypropylene sound proof piping system) to cater to the civil and building construction sectors.

The new range of Dacta products is synonymous with quality and availability and allows the company to be present throughout all segments of the building materials industry.

Hepworth currently employs over 600 people in the Middle East, providing many years of experience and expertise in plastics processing.

Hepworth is the holding company of Corys Geosynthetics, the leading supplier of world-class Geomembrane, HDPE Liners, Geotextiles, Geogrids, Geocells and GCL. The company also counts among its companies Corys MDS, GF Corys and Corys Plastic Industries in Abu Dhabi.

Hepworth is a subsidiary of Green Coast Enterprises, a Dubai-based private family business owned by the Abdul Ghaffar Hussain family.

PPR PIPES AND FITTING



DACTA Therm Pipes

Solid Pipes



PP-R-80 SDR 6 PN 20 Pipes Manufactured in accordance to DIN 8077/78 & ISO 15874-2

| Nominal outside diameter (dn) | | | Ovality Maximum Allowed | Minimum WT (mm) | Maximum WT (mm) | Weight / Mtr (Kg/Mtr) | Avg Internal Diameter (mm) |
|-------------------------------|----------|----------|-------------------------------|--------------------|--------------------|--------------------------|----------------------------------|
| Size | Min (dn) | Max (dn) | | | | | |
| 20 | 20 | 20.3 | 1.2 | 3.4 | 4.0 | 0.172 | 12.75 |
| 25 | 25 | 25.3 | 1.2 | 4.2 | 4.9 | 0.266 | 16.05 |
| 32 | 32 | 32.3 | 1.3 | 5.4 | 6.2 | 0.434 | 20.55 |
| 40 | 40 | 40.4 | 1.4 | 6.7 | 7.6 | 0.671 | 25.90 |
| 50 | 50 | 50.5 | 1.4 | 8.3 | 9.4 | 1.040 | 32.55 |
| 63 | 63 | 63.6 | 1.6 | 10.5 | 11.8 | 1.650 | 41.00 |
| 75 | 75 | 75.7 | 1.6 | 12.5 | 14.0 | 2.340 | 48.85 |
| 90 | 90 | 90.9 | 1.8 | 15.0 | 16.7 | 3.360 | 58.75 |
| 110 | 110 | 110.9 | 2.2 | 18.3 | 20.4 | 5.010 | 71.75 |
| 125 | 125 | 126.2 | 2.5 | 20.8 | 23.1 | 6.470 | 81.70 |
| 140 | 140 | 141.3 | 2.8 | 23.3 | 25.9 | 8.120 | 91.45 |
| 160 | 160 | 161.5 | 3.2 | 26.6 | 29.5 | 10.600 | 104.65 |

SDR7.4 PN 16

| Nominal outside diameter (dn) | | | Minimum WT (mm) | Maximum WT (mm) | Weight / Mtr (Kg/Mtr) |
|-------------------------------|----------|----------|--------------------|--------------------|--------------------------|
| Size | Min (dn) | Max (dn) | | | |
| 20 | 20 | 20.3 | 2.80 | 3.30 | 0.148 |
| 25 | 25 | 25.3 | 3.50 | 4.10 | 0.230 |
| 32 | 32 | 32.3 | 4.40 | 5.10 | 0.370 |
| 40 | 40 | 40.4 | 5.50 | 6.30 | 0.575 |
| 50 | 50 | 50.5 | 6.90 | 7.80 | 0.896 |



Glass Fiber Pipes

PP-R Fiber Pipe - Glass Fiber Reinforced Pipes SDR6 manufactured dimensionally to DIN 8077

| Nominal outside diameter (dn) | | | Ovality Maximum Allowed | Minimum WT (mm) | Maximum WT (mm) | Weight / Mtr (Kg/Mtr) | Avg Internal Diameter (mm) |
|-------------------------------|----------|----------|-------------------------------|--------------------|--------------------|--------------------------|----------------------------------|
| Size | Min (dn) | Max (dn) | | | | | |
| 20 | 20 | 20.3 | 1.2 | 3.4 | 4.0 | 0.172 | 12.75 |
| 25 | 25 | 25.3 | 1.2 | 4.2 | 4.9 | 0.266 | 16.05 |
| 32 | 32 | 32.3 | 1.3 | 5.4 | 6.2 | 0.434 | 20.55 |
| 40 | 40 | 40.4 | 1.4 | 6.7 | 7.6 | 0.671 | 25.90 |
| 50 | 50 | 50.5 | 1.4 | 8.3 | 9.4 | 1.040 | 32.55 |
| 63 | 63 | 63.6 | 1.6 | 10.5 | 11.8 | 1.650 | 41.00 |
| 75 | 75 | 75.7 | 1.6 | 12.5 | 14.0 | 2.340 | 48.85 |
| 90 | 90 | 90.9 | 1.8 | 15.0 | 16.7 | 3.360 | 58.75 |
| 110 | 110 | 110.9 | 2.2 | 18.3 | 20.4 | 5.010 | 71.75 |
| 125 | 125 | 126.2 | 2.5 | 20.8 | 23.1 | 6.470 | 81.70 |
| 140 | 140 | 141.3 | 2.8 | 23.3 | 25.9 | 8.120 | 91.45 |
| 160 | 160 | 161.5 | 3.2 | 26.6 | 29.5 | 10.600 | 104.65 |



DACTA Therm Fittings & Accessories

Welded Fittings

Socket

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR20S20 | 20 |
| DIPPRGR20S25 | 25 |
| DIPPRGR20S32 | 32 |
| DIPPRGR20S40 | 40 |
| DIPPRGR20S50 | 50 |
| DIPPRGR20S63 | 63 |
| DIPPRGR20S75 | 75 |
| DIPPRGR20S90 | 90 |
| DIPPRGR20S110 | 110 |



Reducer Socket

| Art.-No. | Dimension (mm) |
|-----------------|----------------|
| DIPPRGR20R2520 | 25/20 |
| DIPPRGR20R3220 | 32/20 |
| DIPPRGR20R3225 | 32/25 |
| DIPPRGR20R4520 | 40/20 |
| DIPPRGR20R4025 | 40/25 |
| DIPPRGR20R4032 | 40/32 |
| DIPPRGR20R5020 | 50/20 |
| DIPPRGR20R5025 | 50/25 |
| DIPPRGR20R5032 | 50/32 |
| DIPPRGR20R5040 | 50/40 |
| DIPPRGR20R6325 | 63/25 |
| DIPPRGR20R6332 | 63/32 |
| DIPPRGR20R6340 | 63/40 |
| DIPPRGR20R6350 | 63/50 |
| DIPPRGR20R7550 | 75/50 |
| DIPPRGR20R7563 | 75/63 |
| DIPPRGR20R9050 | 90/50 |
| DIPPRGR20R9063 | 90/63 |
| DIPPRGR20R9075 | 90/75 |
| DIPPRGR20R11063 | 110/63 |
| DIPPRGR20R11075 | 110/75 |
| DIPPRGR20R11090 | 110/90 |



Elbow 90°

| Art.-No. | Dimension (mm) |
|-----------------|----------------|
| DIPPRGR20E9020 | 20 |
| DIPPRGR20E9025 | 25 |
| DIPPRGR20E9032 | 32 |
| DIPPRGR20E9040 | 40 |
| DIPPRGR20E9050 | 50 |
| DIPPRGR20E9063 | 63 |
| DIPPRGR20E9075 | 75 |
| DIPPRGR20E9090 | 90 |
| DIPPRGR20E90110 | 110 |

**Elbow 45°**

| Art.-No. | Dimension (mm) |
|-----------------|----------------|
| DIPPRGR20E4520 | 20 |
| DIPPRGR20E4525 | 25 |
| DIPPRGR20E4532 | 32 |
| DIPPRGR20E4540 | 40 |
| DIPPRGR20E4550 | 50 |
| DIPPRGR20E4563 | 63 |
| DIPPRGR20E4575 | 75 |
| DIPPRGR20E4590 | 90 |
| DIPPRGR20E45110 | 110 |

**Equal Tee**

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR20T20 | 20 |
| DIPPRGR20T25 | 25 |
| DIPPRGR20T32 | 32 |
| DIPPRGR20T40 | 40 |
| DIPPRGR20T50 | 50 |
| DIPPRGR20T63 | 63 |
| DIPPRGR20T75 | 75 |
| DIPPRGR20T90 | 90 |
| DIPPRGR20T110 | 110 |



Reducing Tee

| Art.-No. | Dimension (mm) |
|-------------------|-------------------|
| DIPPRGR20RT252020 | 25 x 20 x 20 |
| DIPPRGR20RT252025 | 25 x 20 x 25 |
| DIPPRGR20RT322025 | 32 x 20 x 25 |
| DIPPRGR20RT322032 | 32 x 20 x 32 |
| DIPPRGR20RT322520 | 32 x 25 x 20 |
| DIPPRGR20RT322020 | 32 x 20 x 20 |
| DIPPRGR20RT322532 | 32 x 25 x 32 |
| DIPPRGR20RT402040 | 40 x 20 x 40 |
| DIPPRGR20RT402540 | 40 x 25 x 40 |
| DIPPRGR20RT403240 | 40 x 32 x 40 |
| DIPPRGR20RT502050 | 50 x 20 x 50 |
| DIPPRGR20RT502550 | 50 x 25 x 50 |
| DIPPRGR20RT503250 | 50 x 32 x 50 |
| DIPPRGR20RT504050 | 50 x 40 x 50 |
| DIPPRGR20RT632063 | 63 x 20 x 63 |
| DIPPRGR20RT632563 | 63 x 25 x 63 |
| DIPPRGR20RT633263 | 63 x 32 x 63 |
| DIPPRGR20RT634063 | 63 x 40 x 63 |
| DIPPRGR20RT635063 | 63 x 50 x 63 |

**End Cap**

| Art.-No. | Dimension (mm) |
|----------------|-------------------|
| DIPPRGR20EC20 | 20 |
| DIPPRGR20EC25 | 25 |
| DIPPRGR20EC32 | 32 |
| DIPPRGR20EC40 | 40 |
| DIPPRGR20EC50 | 50 |
| DIPPRGR20EC63 | 63 |
| DIPPRGR20EC75 | 75 |
| DIPPRGR20EC90 | 90 |
| DIPPRGR20EC110 | 110 |



Union PPR (welding both sides)

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR16UW20 | 20 mm |
| DIPPRGR16UW25 | 25 mm |
| DIPPRGR16UW32 | 32 mm |
| DIPPRGR16UW40 | 40 mm |

**Flanges Adaptor**

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR20FA75 | 75 |
| DIPPRGR20FA90 | 90 |

**Blind Cap**

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR20BC20 | 20 |
| DIPPRGR20BC25 | 25 |

**Over Bridge Bow**

| Art.-No. | Dimension (mm) |
|----------------|----------------|
| DIPPRGR20OBB20 | 20 |
| DIPPRGR20OBB25 | 25 |
| DIPPRGR20OBB32 | 32 |

**Clamp Single**

| Art.-No. | Dimension (mm) |
|---------------|----------------|
| DIPPRGR20CS20 | 20 |
| DIPPRGR20CS25 | 25 |
| DIPPRGR20CS32 | 32 |
| DIPPRGR20CS40 | 40 |



Transition Fittings

Transition Piece Female - Round

| Art.-No. | Dimension |
|-------------------|--------------|
| DIPPRGR20TPFR2012 | 20 mm x 1/2" |
| DIPPRGR20TPFR2034 | 20 mm x 3/4" |
| DIPPRGR20TPFR2512 | 25 mm x 1/2" |
| DIPPRGR20TPFR2534 | 25 mm x 3/4" |
| DIPPRGR20TPFR3234 | 32 mm x 3/4" |



Transition Piece Female - Hexagon

| Art.-No. | Dimension |
|--------------------|----------------|
| DIPPRGR20TPFH321 | 32 mm x 1" |
| DIPPRGR20TPFH40114 | 40 mm x 1.1/4" |
| DIPPRGR20TPFH50112 | 50 mm x 1.1/2" |
| DIPPRGR20TPFH632 | 63 mm x 2" |
| DIPPRGR20TPFH75212 | 75 mm x 2.1/2" |
| DIPPRGR20TPFH903 | 90 mm x 3" |
| DIPPRGR20TPFH1104 | 110 mm x 4" |



Transition Piece Male - Round

| Art.-No. | Dimension |
|-------------------|--------------|
| DIPPRGR20TPMR2012 | 20 mm x 1/2" |
| DIPPRGR20TPMR2034 | 20 mm x 3/4" |
| DIPPRGR20TPMR2512 | 25 mm x 1/2" |
| DIPPRGR20TPMR2534 | 25 mm x 3/4" |
| DIPPRGR20TPMR3234 | 32 mm x 3/4" |



Transition Piece Male - Hexagon

| Art.-No. | Dimension |
|--------------------|----------------|
| DIPPRGR20TPMH321 | 32 mm x 1" |
| DIPPRGR20TPMH40114 | 40 mm x 1.1/4" |
| DIPPRGR20TPMH50112 | 50 mm x 1.1/2" |
| DIPPRGR20TPMH632 | 63 mm x 2" |
| DIPPRGR20TPMH75212 | 75 mm x 2.1/2" |
| DIPPRGR20TPMH903 | 90 mm x 3" |
| DIPPRGR20TPMH1104 | 110 mm x 4" |



Transition Female Union

| Art.-No. | Dimension |
|-------------------|----------------|
| DIPPRGR20TFU2012 | 20 mm x 1/2" |
| DIPPRGR20TFU2534 | 25 mm x 3/4" |
| DIPPRGR20TFU321 | 32 mm x 1" |
| DIPPRGR20TFU40114 | 40 mm x 1.1/4" |
| DIPPRGR20TFU50112 | 50 mm x 1.1/2" |
| DIPPRGR20TFU632 | 63 mm x 2" |

**Transition Male Union**

| Art.-No. | Dimension |
|-------------------|----------------|
| DIPPRGR20TMU2012 | 20 mm x 1/2" |
| DIPPRGR20TMU2534 | 25 mm x 3/4" |
| DIPPRGR20TMU321 | 32 mm x 1" |
| DIPPRGR20TMU40114 | 40 mm x 1.1/4" |
| DIPPRGR20TMU50112 | 50 mm x 1.1/2" |
| DIPPRGR20TMU632 | 63 mm x 2" |

**Transition Tee Female**

| Art.-No. | Dimension |
|------------------|--------------|
| DIPPRGR20TTF2012 | 20 mm x 1/2" |
| DIPPRGR20TTF2034 | 20 mm x 3/4" |
| DIPPRGR20TTF2512 | 25 mm x 1/2" |
| DIPPRGR20TTF2534 | 25 mm x 3/4" |
| DIPPRGR20TTF3234 | 32 mm x 3/4" |
| DIPPRGR20TTF321 | 32 mm x 1" |

**Transition Elbow Female**

| Art.-No. | Dimension |
|--------------------|--------------|
| DIPPRGR20TE90F2012 | 20 mm x 1/2" |
| DIPPRGR20TE90F2034 | 20 mm x 3/4" |
| DIPPRGR20TE90F2512 | 25 mm x 1/2" |
| DIPPRGR20TE90F2534 | 25 mm x 3/4" |
| DIPPRGR20TE90F3234 | 32 mm x 3/4" |
| DIPPRGR20TE90F321 | 32 mm x 1" |



Transition Elbow Male

| Art.-No. | Dimension |
|--------------------|--------------|
| DIPPRGR20TE90M2012 | 20 mm x 1/2" |
| DIPPRGR20TE90M2034 | 20 mm x 3/4" |
| DIPPRGR20TE90M2512 | 25 mm x 1/2" |
| DIPPRGR20TE90M2534 | 25 mm x 3/4" |
| DIPPRGR20TE90M3234 | 32 mm x 3/4" |
| DIPPRGR20TE90M321 | 32 mm x 1" |

**Transition Back Plate Elbow Female**

| Art.-No. | Dimension |
|-------------------|--------------|
| DIPPRGR20TBEF2012 | 20 mm x 1/2" |
| DIPPRGR20TBEF2512 | 25 mm x 1/2" |

**Valve & Accessories****Stop Globe Valve**

| Art.-No. | Dimension |
|-----------------|--------------|
| DIPPRGR20VB2034 | 20 mm x 3/4" |
| DIPPRGR20VB2534 | 25 mm x 3/4" |
| DIPPRGR20VB321 | 32 mm x 1" |

**Concealed Valve**

| Art.-No. | Dimension |
|---------------|--------------|
| DIPPRGRCV2034 | 20 mm x 3/4" |
| DIPPRGRCV2534 | 25 mm x 3/4" |
| DIPPRGRCV321 | 32 mm x 1" |



Ball Valve

| Art.-No. | Dimension |
|-------------|-----------|
| DTPPRGRBV20 | 20 mm |
| DTPPRGRBV25 | 25 mm |
| DTPPRGRBV32 | 32 mm |
| DTPPRGRBV40 | 40 mm |
| DTPPRGRBV50 | 50 mm |
| DTPPRGRBV63 | 63 mm |
| DTPPRGRBV75 | 75 mm |

**Welding Accessories**

Proven technology tested and used by plumbers, widely accepted in various offices, hospitals, schools, hotels, residential, commercial applications, and industrial facilities.

Welding Device

| Art.-No. | Dimension (mm) |
|-----------------|----------------|
| DTPPRGRWD2063 | 20 - 63 |
| DTPPRGRWD275110 | 75 - 110 |
| DTPPRGRWD220160 | 20 - 160 |

**Welding Tools**

| Art.-No. | Dimension (mm) |
|--------------|----------------|
| DTPPRGRWT20 | 20 |
| DTPPRGRWT25 | 25 |
| DTPPRGRWT32 | 32 |
| DTPPRGRWT40 | 40 |
| DTPPRGRWT50 | 50 |
| DTPPRGRWT63 | 63 |
| DTPPRGRWT75 | 75 |
| DTPPRGRWT90 | 90 |
| DTPPRGRWT110 | 110 |

**Pipes Cutter**

| Art.-No. | Dimension (mm) |
|----------------|----------------|
| DTPPRGRPC042 | 0-42 |
| DTPPRGRPC075 | 0-75 |
| DTPPRGRPC50160 | 50-160 |



Transport & Storage

During transportation and storage, DACTA Therm piping system components could be exposed to open air at any temperature for short period of time provided that it is kept in the shade protected from direct sunlight. However, at temperature below 0°C, the material becomes more susceptible to damage if hard blows are delivered. Hence, at low temperature, the material has to be treated with more caution. It is not recommended that DACTA Therm pipes and fitting be stored in open air for long period of time.

Additionally, a solid base is recommended to avoid any deformation of pipes during transportation and storage. Even though DACTA Therm pipes are extremely robust it is recommended to treat the material with care.

Figure 1: Loading block bundles on to flat bed vehicle

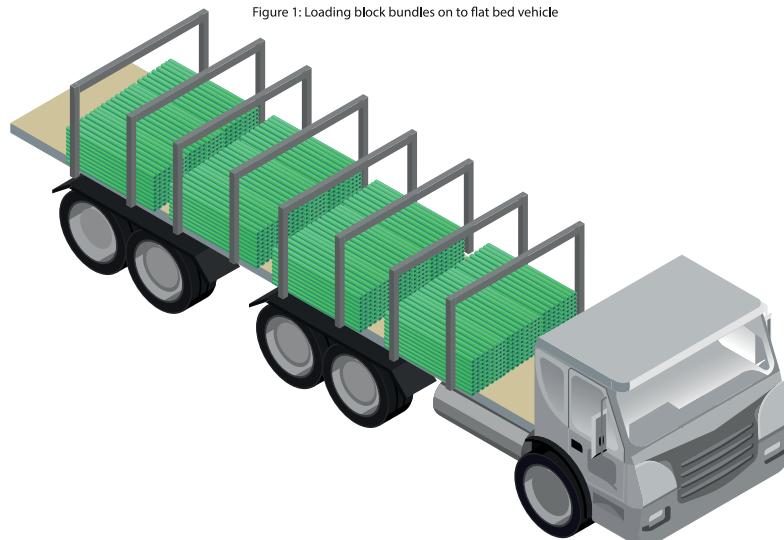


Figure 2: Storage of loose pipes on the ground

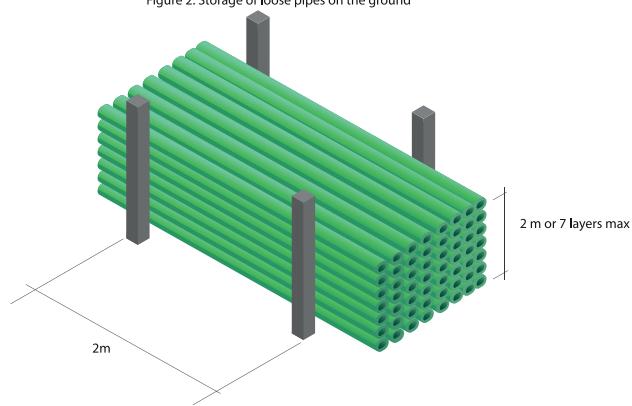
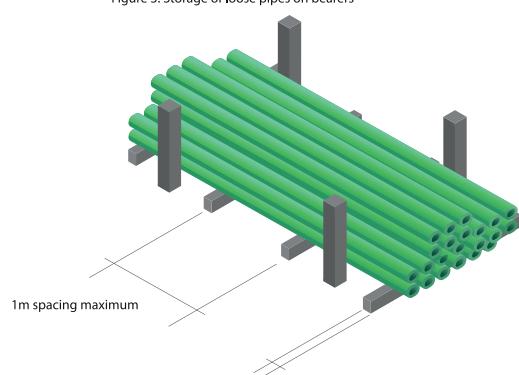
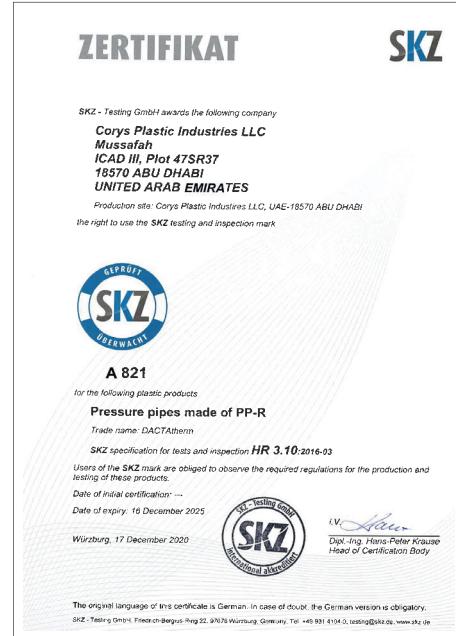


Figure 3: Storage of loose pipes on bearers



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help@corysbuildcentre.com

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AL QUOZ 3
6th St. 1st Al Khail Road
Head Office
T: +971 4 3411250
E: alquoz@corysbuildcentre.com

DUBAI
Nad Al Hamar Road
Distribution Centre
T: +971 4 7029406
E: dxb@corysbuildcentre.com

ABU DHABI
11th Street, M17,
Mussafah Area
T: +971 2 6447667
E: auh@corysbuildcentre.com

AL AIN
Al Hirfah 7th St.
Sanaïya Industrial Area
T: +971 3 7210727
E: alain@corysbuildcentre.com

SHARJAH
Road S102,
Industrial Area 17
Tel: +971 6 5438459
E: shj@corysbuildcentre.com

RAS AL KHAIMAH
Al Kharran/Airport Rd,
Al Falayyah Area
T: +971 7 228 1877
E: rak@corysbuildcentre.com

FUJAIRAH
Al Hayl
Industrial Area
T: +971 9 2282525
E: fuj@corysbuildcentre.com

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