



STAKKAbox™ FORTRESS is a range of sectional, modular and structural preformed access chambers.

Each chamber is made from 150mm deep stacking sections which interlock to offer flexibility in finished chamber depths.

MATERIAL PROPERTIES

High Density Polyethylene (HDPE)

Tensile Strength	ISO 527-4	26.2MPA
Flexural Strength	ISO 14125	26.9MPA
Flexural Modulus	ISO 14125	1.09 GPA
Impact Strength	ISO 179	28 J/mm ²
Deflection Temperature Range (0.46MPA)	ISO 75-2	72.1 °C
Density (g/cm ³)	ISO 1183	0.95 - 0.98 g/cm ³
Water Absorption	ISO 62	0.01%
Volume Resistivity	IEC 60093	1.00E +16
Fire Performance	UL 94	HB
Limited Oxygen Index	ISO 4589-2	19%

These are indicative figures. Materials can be formulated to achieve different properties subject to specification/ customer requirements

FORTRESS STANDARD SIZE GUIDE

Length (mm)	Width (mm)	Depth (mm)	Outside Dimensions	Weight	Product Code	Datasheet Ref
1310mm	610mm	150mm	1480mm x 901mm	16.84kg	SYFCC2-13100610-BK010D000	DAT 0501
445mm	445mm	150mm	550mm x 550mm	4.96kg	SYFF44-04450445-BK010C000	DAT 0502
610mm	445mm	150mm	715mm x 550mm	5.56kg	SYFF44-06100445-BK010C000	DAT 0503
610mm	610mm	150mm	715mm x 715mm	6.16kg	SYFF44-06100610-BK010C000	DAT 0504
675mm	675mm	150mm	780mm x 780mm	8kg	SYFF44-06750675-BK010C000	DAT 0511
915mm	445mm	150mm	1020mm x 550mm	7.04kg	SYFF44-09150445-BK010C000	DAT 0505
915mm	610mm	150mm	1020mm x 715mm	7.64kg	SYFF44-09150610-BK010C000	DAT 0506
915mm	915mm	150mm	1020mm x 1020mm	9.12kg	SYFF44-09150915-BK010C000	DAT 0507
1220mm	445mm	150mm	1325mm x 550mm	10.4kg	SYFF44-12200445-BK010C000	DAT 0512
1220mm	610mm	150mm	1325mm x 715mm	11.4kg	SYFF44-12200610-BK010C000	DAT 0510
1220mm	675mm	150mm	1325mm x 780mm	12kg	SYFF44-12200675-BK010C000	DAT 0508
1220mm	915mm	150mm	1325mm x 1020mm	13kg	SYFF44-12200915-BK010C000	DAT 0513
1220mm	1220mm	150mm	1325mm x 1325mm	16.2kg	SYFF44-12201220-BK010C000	DAT 0509

DAT 0500	
V1.1	17/07/2013

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

1310mm x 610mm

PRODUCT PROFILE:

Stacking Depth: 150mm
Actual Depth: 170mm
Outside Dimensions: 1480mm x 901mm
Vertical Loading: The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-E600).
Weight: 16.84kg
Product Code: SYFCC2-13100610-BK010D000
Product Type: Solid Ring
Packaging: On request
Notes: N/A



MATERIAL PROFILE:

Chamber Material: High Density Polyethylene (HDPE)
Colour: Black
Working Temperature Range: -40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference: SYFCC2-13100610-BK010D000
Material Properties: Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports: On request



DAT 0501	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section

**CLEAR OPENING**
445mm **X**
445mm
PRODUCT PROFILE:

Stacking Depth:	150mm
Actual Depth:	170mm
Outside Dimensions:	550mm x 550mm
Vertical Loading:	The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight:	4.96kg
Product Code:	SYFF44-04450445-BK010C000
Product Type:	Component Section
Packaging:	On request
Notes:	N/A

**MATERIAL PROFILE:**

Chamber Material:	High Density Polyethylene (HDPE)
Colour:	Black
Working Temperature Range:	-40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference:	SYFF44-04450445-BK010C000
Material Properties:	Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports:	On request

DAT 0502	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section

**CLEAR OPENING****610mm** X
445mm**PRODUCT PROFILE:**

Stacking Depth:	150mm
Actual Depth:	170mm
Outside Dimensions:	715mm x 550mm
Vertical Loading:	The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight:	5.56kg
Product Code:	SYFF44-06100445-BK010C000
Product Type:	Component Section
Packaging:	On request
Notes:	N/A

**MATERIAL PROFILE:**

Chamber Material:	High Density Polyethylene (HDPE)
Colour:	Black
Working Temperature Range:	-40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference:	SYFF44-06100445-BK010C000
Material Properties:	Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports:	On request

DAT 0503	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section

**CLEAR OPENING****610mm** X **610mm****PRODUCT PROFILE:**

Stacking Depth:	150mm
Actual Depth:	170mm
Outside Dimensions:	715mm x 715mm
Vertical Loading:	The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight:	6.16kg
Product Code:	SYFF44-06100610-BK010C000
Product Type:	Component Section
Packaging:	On request
Notes:	N/A

**MATERIAL PROFILE:**

Chamber Material:	High Density Polyethylene (HDPE)
Colour:	Black
Working Temperature Range:	-40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference:	SYFF44-06100610-BK010C000
Material Properties:	Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports:	On request

DAT 0504	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

915mm X
445mm



Photo is representative only

PRODUCT PROFILE:

Stacking Depth: 150mm
Actual Depth: 170mm
Outside Dimensions: 1020mm x 550mm
Vertical Loading: The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight: 7.04kg
Product Code: SYFF44-09150445-BK010C000
Product Type: Component Section
Packaging: On request
Notes: N/A



MATERIAL PROFILE:

Chamber Material: High Density Polyethylene (HDPE)
Colour: Black
Working Temperature Range: -40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference: SYFF44-09150445-BK010C000
Material Properties: Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports: On request

DAT 0505	
V2.1	29/01/2013

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

915mm X
610mm

PRODUCT PROFILE:

Stacking Depth: 150mm
Actual Depth: 170mm
Outside Dimensions: 1020mm x 715mm
Vertical Loading: The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight: 7.64kg
Product Code: SYFF44-09150610-BK010C000
Product Type: Component Section
Packaging: On request
Notes: N/A



MATERIAL PROFILE:

Chamber Material: High Density Polyethylene (HDPE)
Colour: Black
Working Temperature Range: -40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference: SYFF44-09150610-BK010C000
Material Properties: Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports: On request

DAT 0506	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

915mm X **915mm**



PRODUCT PROFILE:

Stacking Depth:	150mm
Actual Depth:	170mm
Outside Dimensions:	1020mm x 1020mm
Vertical Loading:	The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight:	9.12kg
Product Code:	SYFF44-09150915-BK010C000
Product Type:	Component Section
Packaging:	On request
Notes:	N/A



MATERIAL PROFILE:

Chamber Material:	High Density Polyethylene (HDPE)
Colour:	Black
Working Temperature Range:	-40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference:	SYFF44-09150915-BK010C000
Material Properties:	Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports:	On request



DAT 0507	
V2.0	02/02/2012

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

1220mm x 915mm

PRODUCT PROFILE:

Stacking Depth: 150mm
Actual Depth: 170mm
Outside Dimensions: 1325mm x 1020mm
Vertical Loading: The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight: 13kg
Product Code: SYFF44-12200915-BK010C000
Product Type: Component Section
Packaging: On request

MATERIAL PROFILE:

Chamber Material: High Density Polyethylene (HDPE)
Colour: Black
Working Temperature Range: -40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference: SYFF44-12200915-BK010C000
Material Properties: Please refer to FORTRESS Specification Datasheet DAT 0501
Test Reports: On request



Photos shown are representative and may not show the indicated size

DAT 0513	
V2.0	17/07/2013

STAKKAbox™ FORTRESS

Preformed access chamber section



CLEAR OPENING

1220mm x 1220mm

PRODUCT PROFILE:

Stacking Depth: 150mm
Actual Depth: 170mm
Outside Dimensions: 1325mm x 1325mm
Vertical Loading: The product is designed for use in both footway and roadway installations where it provides access to underground ducting (EN124 Class A15-D400).
Weight: 16.2kg
Product Code: SYFF44-12201220-BK010C000
Product Type: Component Section
Packaging: On request

MATERIAL PROFILE:

Chamber Material: High Density Polyethylene (HDPE)
Colour: Black
Working Temperature Range: -40°C to +100°C

TECHNICAL REFERENCES:

Drawing Reference: SYFF44-12201220-BK010C000
Material Properties: Please refer to FORTRESS Specification Datasheet DAT 0500
Test Reports: On request



Photos shown are representative and may not show the indicated size

DAT 0509	
V2.0	17/07/2013