FOSROC

constructive solutions

PRODUCT FACT SHEET

THIOFLEX® 555

2-component elastomeric polysulfide joint sealant with excellent jet blast resistance, fuel and hydraulic fluid resistance, particularly suited to aircraft fuelling areas, aprons, concrete runways, taxiways, oil terminals, garage forecourts, parking and cargo areas.

- Rapid cure for fast return to service
- Excellent resistance to jet blast, fuel and hydraulic fluids
- Resistant to stone and dirt pickup
- Outstanding durability ensures long service life
- High movement accommodation, even through temperature extremes
- High stress relaxation

THIOFLEX® 555

FOSROC

constructive solutions

Typical properties

The typical physical properties given below are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary - dependent on actual site conditions.

Compressive Strength (MPa) (AS 1478.2 - 2005)	
Form:	Two component product comprising liquids base and hardener
Colour:	Grey (Base White, Hardener Black)
Movement accommodation factor BS8449:	Butt joints 35%
Shore A Hardness at 20°C, approx.:	10
Service Temp. Range:	-40°C to +70°C
Flash point:	>65°C
Chemical resistance to spillage:	Aviation fuels, Skydrol, Kerosene, Glycols, Petrol, Diesel, De-icing salts
Resistance to flame, BS5212-1:	Pass - No combustion, flow, hardening or loss of flexibility
Mix Ratio:	Preweighed units
Application Ambient Temp. Range:	5°C to 50°C
Application Material Temp. Range:	15°C to 40°C
Specific Gravity at 20°C:	Base 1.36 - 1.44 Hardener 1.68 - 1.76
Pot life	35-40°C: 40 mins 20-25°C: 120 mins
Return to service times*	35-40°C: 60 mins 30°C: 2 hours 20°C: 4 hours 10°C: 12 hours 5°C: 36 hours

* These times are approximate and dependent on ambient and substrate temperature and joint size. When applying at ambient and surface temperatures below 20°C, the return to service times can be improved by first storing the mixed material above 20°C for an hour before application.

Guide to sealant quantities

The table below is a guide to the yield achieved by Thioflex 555 per 5L pack, depending on joint size. Note: No allowance has been made for variations in joint dimensions or wastage.

Before using Thioflex 555, all concrete joint faces must be primed with Fosroc Primer 7E. 1L of Fosroc Primer 7E will be sufficient for approximately 30L of Thioflex 555 sealant.

Joint size in mm	Litres per metre	Metre per 5 litre
10 x 10	0.10	50
13 x 13	0.17	30
15 x 15	0.23	22
20 x 15	0.30	17
20 x 20	0.40	13
25 x 20	0.50	10
25 x 25	0.63	8
30 x 25	0.75	7

SKU details

Product code	Description	Size
FC900524-2.5L	FOSROC THIOFLEX 555 PART A BASE	2.5L
FC900525-2.5L	FOSROC THIOFLEX 555 PART B HARDENER	2.5L
FC900526-600ML	FOSROC PRIMER 7E PART A	600mL
FC900527-400ML	FOSROC PRIMER 7E PART B	400mL

AU 1800 812 864
fosroc.com.au

NZ 0800 657 156
fosroc.co.nz

Parchem Construction Supplies Pty Ltd
7 Lucca Road, Wyong NSW AUS 2259

Distributed in New Zealand by Concrete Plus Ltd
150 Hutt Park Rd, Gracefield, Lower Hut, NZ 5010

Fosroc, the Fosroc logo and Thioflex are trade marks of Fosroc International Limited, used under licence.

03/20