



constructive solutions

## NEW PRODUCT

# NITOSEAL® PY350

### Two-component hybrid polyurea, elastomeric rapid cure joint sealant for very low movement applications.

Nitoseal PY350 is a two part, gun applied, hybrid polyurea sealant which cures very rapidly to form a durable, hard-wearing seal for internal and external horizontal joints. Supplied as a dual cartridge, non slump thixotropic paste, it has high Shore A hardness making it ideal for areas subject to heavy, hard wheeled traffic such as warehouses. Available in Grey.

### ADVANTAGES

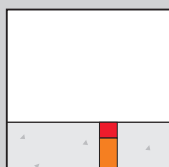
- Very fast curing - quick return to service time
- High Shore A hardness – for very low movement joints
- Tough and abrasion resistant - seals and helps protect joint edges
- Chemical resistant
- Weather resistant - UV resistant and colour stable
- For internal and external horizontal applications
- Chemical cure – cure time is independent of ambient humidity and joint size
- Low viscosity - easy to gun out and tool to finish



### TYPICAL APPLICATIONS:

For sealing very low movement and saw cut joints in concrete floors where high Shore A hardness is required such as resistance to heavy, hard wheeled traffic in retail, warehousing, bunds and other industrial applications.

Can also be used to repair spalled concrete joints.



Joint Fillers  
& Sealants

For further information about our sealants range visit [fosroc.com.au](http://fosroc.com.au) or [fosroc.co.nz](http://fosroc.co.nz)

Always refer to the product TDS before making your final selection or speak to your Fosroc representative.

# NITOSEAL PY350

## Properties

Technology:	Hybrid polyurea
Typical hardness Shore 'A' (ASTM D2240):	80 (+/-3)
Tensile strength (ASTM D412):	17 MPa
Physical or chemical change:	Chemical cure (non-acid)
100% Modulus (ASTM D412):	3.1 MPa
300% Modulus (ASTM D412):	5.3 MPa
Elongation at break (ASTM D2240):	780%
Angle tear strength (ASTM D624):	54 kN/m (Die C)
DIN resiliency (ASTM D1817):	41%
Application temperature:	Minimum 5°C – joint must be dry and frost free
Service temperature:	-20°C to +80°C
Tooling time:	4 minutes
Tack free time:	75 minutes
Light traffic:	90 minutes
Full cure:	120 minutes

## Design criteria

Nitoseal PY350 should only be used in very low movement construction / contraction joints where the anticipated movement is less than 5% of the joint width.

Joints should be sealed with width:depth as follows;  
6 to 12mm wide : depth equal to width (1:1)  
13 to 24mm wide : 12mm depth  
Over 25mm wide : depth is half the width (2:1)

Joints should only be sealed after the initial shrinkage has occurred in new concrete - typically after 90 days.

Nitoseal PY350 is not designed for sealing expansion joints.

## Application

Nitoseal PY350 is applied using a Fosroc Polyurea SCS Manual Gun and Nitoseal PY350 static mixer nozzle.

For application instructions, refer to the product TDS.

## Coverage guide

600ml pack of Nitoseal PY350 will seal 4.2m of a 12mm x 12mm joint

## Supply

Product code	Description	Size	Colour
FC920125-600ML	Nitoseal PY350	600ml	Grey
FC007087-UNIT	Fosroc Polyurea SCS Manual Gun	N/A	N/A
FC920126-UNIT	Nitoseal PY350 Static Mixer	N/A	N/A

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