Doric
New Zealand

WOVEN PILE | WEATHERSTRIPPING

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Doric has been supplying quality woven pile weatherstripping into the Australian and New Zealand window & door industry for in excess of fifteen years. In that time we have grown an entry level range into a comprehensize range of Standard Pile, Finned Pile and Fringe Pile in an array of common industry sizes.

The Doric range of Woven Pile Weather stripping is manufactured to the same rigorous processes and standards many other leading pile manufactures and, as such, you can be sure we are supplying a quality range.

For more details, ordering and supply, contact your local Doric branch.

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Doric woven pile weather stripping is a low-friction weather seal ideal for windows and doors in sliding, folding and compression applications such as bi-fold doors and casement windows. The density of the pile provides excellent resistance to air, water, noise and smoke, while the polypropylene yarn is flexible enough to allow free movement and compression - suitable for automatic insertion into a wide range of applications.

APPLICATIONS

Typical applications for pile weatherstripping include secondary glazing, horizontal and vertical sliding windows, shutters and patio doors.

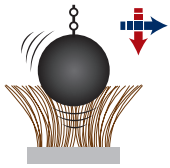
Other applications include:

- PVCu, aluminium and timber windows and doors
- Retro-fit draught-proofing
- Anti-rattle and dust seals for the furniture industry
- Fly screens and roller blinds

PRODUCT DETAILS

- Compatible with all window frame materials
- Low opening and closing forces
- Manufactured from high density polypropylene yarns
- Silicone impregnated to repel water
- Provides complete weather protection
- UV Stable
- Available in Black only in a wide range of sizes

PERFORMANCE

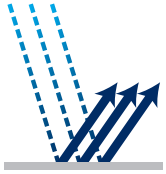


DURABILITY

Woven pile and especially sliding seals require a unique resilience because of the various directional forces which they are subjected to. Polypropylene is well suited to cope with this aggressive requirement.

WEATHER RESISTANT

Yarn is extremely durable and highly resistant to abrasion, ozone and biological attack. The pile is UV stabilised to minimise the effects of ultra violet light.



WATER REPELLENT

Woven from yarn that has been impregnated with silicone, which offers an additional barrier against water absorption.

CONTEXT OF USE

WHEN TO USE A WEATHERSTRIPPING

It is a general recommendation that all homes/residential buildings should be sealed if external air temperatures are outside of human thermal comfort levels for more than a few hours. Sealing your home against air leakage (or air infiltration) can be one of the simplest upgrades you can undertake in order to increase comfort levels and reduce energy bills. Sealing, or secondary sealing, can also help with reducing excessive noise, small debris and bug intrusion. How well sealed a home needs to be is largely determined by the surrounding climate and local factors, which can vary greatly. In New Zealand and Australia there are various building codes and standards which may stipulate the necessary seals/performance for windows and doors.

WHICH PILE TYPE TO USE

Ultimately it is up to the consumer to choose the pile which best suits their particular application.

- **Standard pile:** Generally used in applications subject to lower level wind and compression.
- **Finned pile:** Generally used in applications subject to higher level wind as well as water and acoustics.
- **Fringe pile:** Generally used in applications where a basic barrier or sweep is required - such as a bug strip.

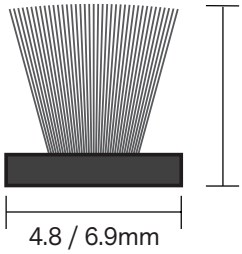
As a guide the following suggestions are made:

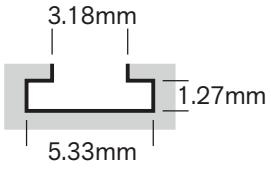
APPLICATION	FORCES	HORIZONTAL PILE	VERTICAL PILE
Sliding windows/doors	Wind - Low/medium level	Standard pile	Standard pile
Sliding windows/doors	Wind - Medium/high level	Standard pile	Finned pile
Sliding windows/doors	Wind and rain	Standard pile	Finned pile
Awning windows	All applications	Standard pile	Standard pile
Casement windows	All applications	Standard pile	Standard pile
Double hung windows	Wind - Low/medium level	Standard pile	Standard pile
Double hung windows	Wind - Medium/high level	Finned pile	Standard pile
Double hung windows	Wind and rain	Finned pile	Standard pile
General window/door gaps	Bugs and debris	Fringed pile	Fringe pile

The **base width** size is generally predetermined by the Groove dimension in the window or door. 4.8mm base width is typically used in windows and the 6.9mm base is typically used in doors. Fitting groove dimensions for the various base widths can be found on the following page.

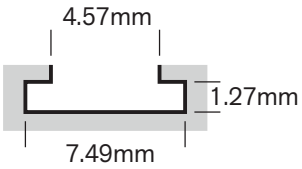
The **pile height** may be determined by measuring the distance from inside the pile groove to the contact face of the next panel (eg door to door or door to fixed panel etc) and using the size that corresponds with that dimension - refer gap matrix on page 7 of this document. refer gap matrix on page 8 Avoid using a higher weather seal pile than you need because if it's too high your panels might bind in the middle or result in excessive force required to operate.

STANDARD | PILE





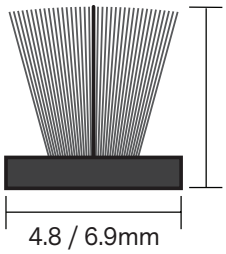
To suit 4.8mm Base Width

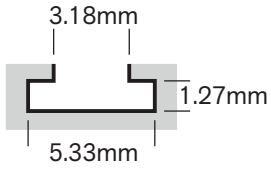


To suit 6.9mm Base Width

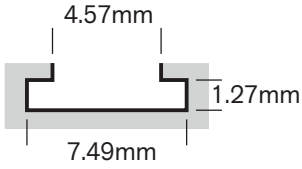
BRUSH	Polypropylene siliconised yarn
BASE	Polypropylene
COLOUR	Black
DENSITY	3 (48 series) 4 (69 series)
COMPRESSION	20% - 25%
BASE WIDTH	4.8mm or 6.9mm
PILE HEIGHT	3mm min. 9mm max.
FIN	N/A

FINNED | PILE





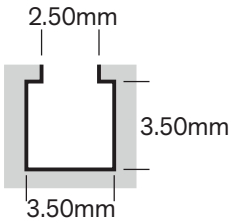
To suit 4.8mm Base Width



To suit 6.9mm Base Width

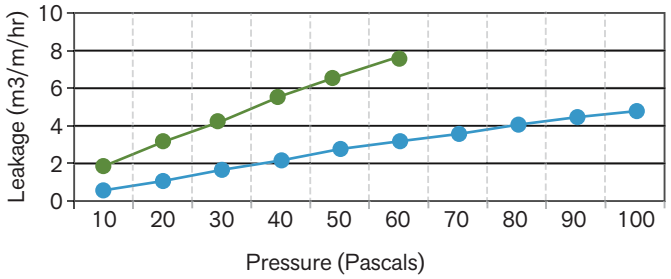
BRUSH	Polypropylene siliconised yarn
BASE	Polypropylene
COLOUR	Black
DENSITY	2F (48 series) 4F (69 series)
COMPRESSION	10% - 15%
BASE WIDTH	4.8mm or 6.9mm
PILE HEIGHT	3mm min. 9mm max.
FIN	3mm min. 9mm max.

FRINGE | PILE



BRUSH	Polypropylene siliconised yarn
BASE	Polypropylene
COLOUR	Black
DENSITY	N/A
COMPRESSION	N/A
BASE DIMENSION	3.3mm or 2.8mm
PILE HEIGHT	13mm 16mm 28mm
FIN	N/A

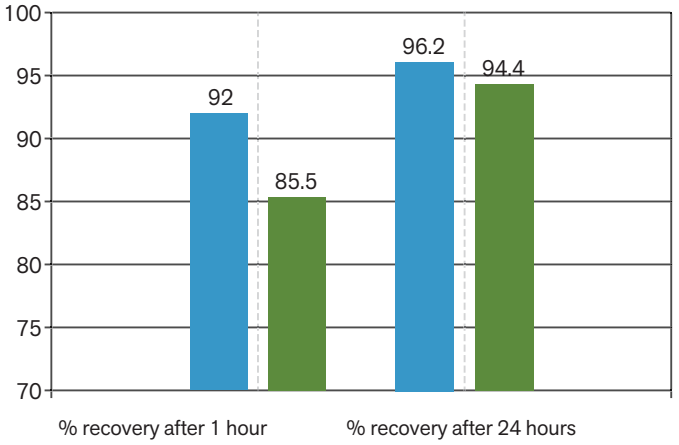
AIR LEAKAGE



Standard Pile

Finned Pile

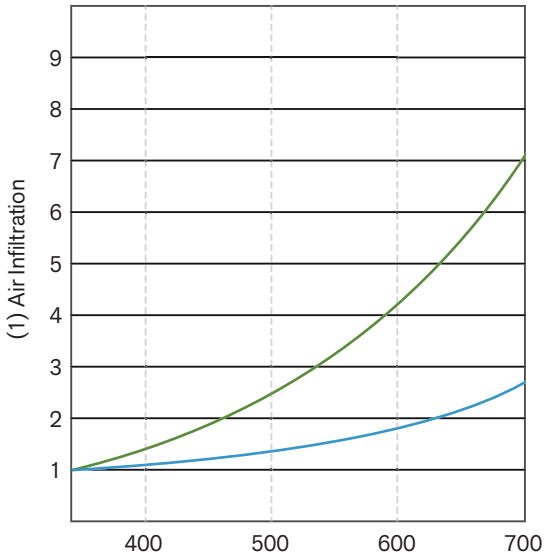
COMPRESSION RECOVERY



Standard Pile

Finned Pile

AIR INFILTRATION



Standard Pile

Finned Pile

Charts are not representative or indicative of expected performance.

HOW TO | ORDER

WOVEN PILE

DP 48 500 2 F

Standard Part Number Prefix

Backing Width
48 = 4.8mm
69 = 6.9mm

Pile Height
400 = 4.00mm
425 = 4.25mm
450 = 4.50mm
475 = 4.75mm
500 = 5.00mm
525 = 5.25mm
550 = 5.50mm
575 = 5.75mm
600 = 6.00mm
625 = 6.25mm
650 = 6.50mm
675 = 6.75mm
700 = 7.00mm
750 = 7.50mm
850 = 8.50mm
900 = 9.00mm

Pile Density - fixed reference

Fin Option
F = Woven Pile With Fin
Blank = Standard Woven Pile

(To be added to code prefix when ordering woven pile with Fin)

FRINGE SEAL

DP 16

Standard Part Number Prefix

Fringe Height
13 = 13mm
16 = 16mm
28 = 28mm

PRODUCT CODE | NUMBER LISTING

48 SERIES RANGE

48= 4.8mm Backing Width

STANDARD PILE			SUITS
PART NO.	HEIGHT	M/ROLL	GAPS
DP 48 300 3	3.00mm	750m	2.25-2.50mm
DP 48 350 3	3.50mm	600m	2.50-2.75mm
DP 48 375 3	3.75mm	600m	2.75-3.00mm
DP 48 400 3	4.00mm	600m	3.00-3.25mm
DP 48 425 3	4.25mm	550m	3.25m-3.5mm
DP 48 450 3	4.50mm	550m	3.25m-3.5mm
DP 48 475 3	4.75mm	500m	3.50-3.75mm
DP 48 500 3	5.00mm	500m	3.75-4.00mm
DP 48 525 3	5.25mm	500m	4.00-4.25mm
DP 48 550 3	5.50mm	450m	4.25-4.50mm
DP 48 600 3	6.00mm	450m	4.50-4.75mm
DP 48 625 3	6.25mm	450m	4.75-5.00mm
DP 48 650 3	6.50mm	450m	5.00-5.25mm
DP 48 750 3	7.50mm	350m	5.75-6.00mm
DP 48 850 3	8.50mm	350m	6.50-6.75mm

PILE WITH FIN			SUITS
PART NO.	HEIGHT	M/ROLL	GAPS
DP 48 375 2F	3.75mm	550m	3.25-3.50mm
DP 48 400 2F	4.00mm	500m	3.40-3.65mm
DP 48 425 2F	4.25mm	500m	3.50-3.75mm
DP 48 475 2F	4.75mm	500m	4.00-4.25mm
DP 48 500 2F	5.00mm	500m	4.25-4.50mm
DP 48 550 2F	5.50mm	450m	4.75-5.00mm
DP 48 600 2F	6.00mm	400m	5.25-5.50mm
DP 48 650 2F	6.50mm	400m	5.50-5.75mm
DP 48 750 2F	7.50mm	550m	6.25-6.75mm
DP 48 850 2F	8.50mm	300m	7.25-7.75mm

FRINGE SERIES

STANDARD PILE		
PART NO.	HEIGHT	M/ROLL
DP 13	13mm	500m
DP 16	16mm	500m
DP 28	28mm	250m

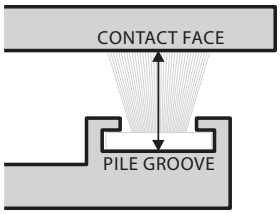
69 SERIES RANGE

69= 6.9mm Backing Width

STANDARD PILE			SUITS
PART NO.	HEIGHT	M/ROLL	GAPS
DP 69 350 4	3.50mm	600m	2.50-2.75mm
DP 69 375 4	3.75mm	500m	2.75-3.00mm
DP 69 400 4	4.00mm	500m	3.00-3.25mm
DP 69 425 4	4.25mm	500m	3.25-3.50mm
DP 69 450 4	4.50mm	450m	3.25-3.50mm
DP 69 475 4	4.75mm	450m	3.50-3.75mm
DP 69 500 4	5.00mm	450m	3.75-4.00mm
DP 69 525 4	5.25mm	450m	4.00-4.25mm
DP 69 550 4	5.50mm	400m	4.25-4.50mm
DP 69 575 4	5.75mm	400m	4.40-4.65mm
DP 69 600 4	6.00mm	400m	4.50-4.75mm
DP 69 625 4	6.25mm	350m	4.75-5.00mm
DP 69 650 4	6.50mm	350m	5.00-5.25mm
DP 69 695 4	6.75mm	350m	5.25-5.50mm
DP 69 700 4	7.00mm	350m	5.50-5.57mm
DP 69 750 4	7.50mm	300m	5.75-6.00mm
DP 69 900 4	9.00mm	300m	6.75-7.25mm
DP 69 1275 4	12.75mm	200m	9.50-10.50mm

PILE WITH FIN			SUITS
PART NO.	HEIGHT	M/ROLL	GAPS
DP 69 425 4F	4.25mm	400m	3.50-3.75mm
DP 69 450 4F	4.50mm	400m	3.75-4.00mm
DP 69 525 4F	5.25mm	400m	4.50-4.75mm
DP 69 550 4F	5.50mm	400m	4.75-5.00mm
DP 69 575 4F	5.75mm	350m	5.00-5.25mm
DP 69 650 4F	6.50mm	650m	5.50-5.75mm
DP 69 750 4F	7.50mm	300m	6.50-6.75mm
DP 69 850 4F	8.50mm	200m	7.25-7.50mm

GAP MATRIX



Always calculate your gap distance by measuring from inside the pile groove to the contact face

INNOVATORS
OF HARDWARE FOR WINDOWS AND DOORS

DNZ_Woven_Pile_Weatherstripping-2.1_15.10.2021

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