

Don & Low | Filtration

Pre-Filters

Technical Datasheet

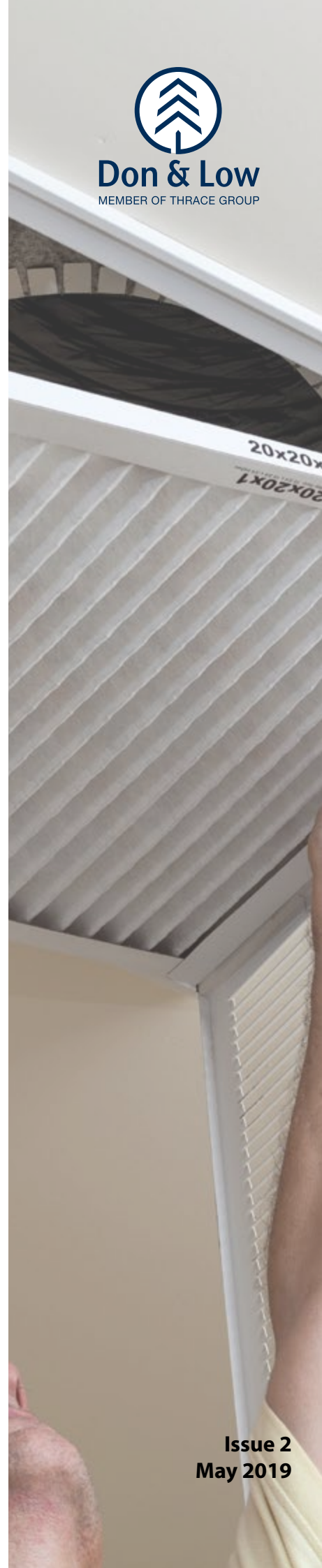
Air filtration units are responsible for keeping the air clean and healthy, which is essential for maintaining air quality in indoor environments. With an open, fibrous structure, Daltex® Lowbond™ and Lowbond™ Ultra remove solid particulates from the air and are ideally suited to pre-filter applications.

Providing structural support to fine particle filter media, our materials retain an extremely low resistance to air flow throughout the service life of the filter unit. Manufactured from polypropylene, with a thickness of less than 1mm, all our products can be ultrasonically welded into filter housings for easy fabrication.

With facilities to produce both discrete and laminated rolled goods, we can combine Daltex® nonwovens with MeltTX® fabrics for the filtration of very fine particles.

Product Features

- ▶ Excellent air permeability
- ▶ Optimum fabric softness
- ▶ Outstanding support for filter media
- ▶ Reduced air-flow resistance in both surface and depth filters
- ▶ Introduction of bulk into the fabric for pre-filtration
- ▶ Wide range of weights, roll widths and lengths available
- ▶ Different colours and additives available
- ▶ Food and skin contact approved



Don & Low | Filtration



Don & Low
MEMBER OF THRACE GROUP

	Test Method	Units	Lowbond™ (2AR)		Lowbond™ Ultra (2U2)	
Fabric weight * (g/m²)	NWSP 130.1	g/m²	40	40	50	60
Air Permeability (l/m²/s)	NWSP 070.1	l/m²/s	4500	4900	4000	3400
Fabric Thickness	NWSP 120.1	mm	0.5	0.6	0.7	0.7
Filament Size		µm	22	22	22	22
Fractional Collection Efficiency * 16cm/s (New)	DIN 71460-1	%	0.5 µm	25	36	17
			1.0 µm	26	36	18
			3µm	37	44	44
			5µm	53	57	73
			10 µm	55	71	74
Fractional Collection Efficiency * @ +50Pa 16cm/s (After Loading)	DIN 71460-1	%	0.5 µm	36	41	49
			1.0 µm	48	57	61
			3µm	89	93	96
			5µm	94	96	99
			10 µm	98.4	>99.5	>99.5
Filter Classification	EN779:2012		M5		G4	

* Quoted values based on limited testing



All products are manufactured under BS EN ISO 9001.

Don & Low reserves the right to change specifications or other product information. Don & Low accepts no responsibility or liability for information provided by third parties. No warranties, express or implied, are offered regarding the suitability of any product for your use, as site conditions and customer requirements vary. Should you require further information, please contact us. Products are sold subject to the seller's terms and conditions of sale. No warranty or immunity is offered against infringement of patents or other intellectual property rights. ©Don & Low Limited, 2019. The intellectual property in the products is owned and protected by Don & Low or its licensors.

Don & Low Ltd, Glamis Road, Forfar, Angus, DD8 1FR, Scotland, UK
Tel: +44(0)1307 452200 Fax: +44 (0)1307 452201 email:enquiries@donlow.co.uk
www.donlow.co.uk