

Designing the Future

clear ahead

HYDRANET® RADIAL

Hydra
NET® radial

HydraNet® radial

DIMENSION-POLYANT's HydraNet® radial styles combine the durability of a woven polyester base with a ripstop of Dyneema®. The resulting fabric is higher in tear strength and, combined with the strength of the ripstop, stronger over the life of the sail than any woven polyester. A bonus of the woven polyester construction is a breathable platform that minimizes the damp environment that triggers mildew growth. A tight weave gives HydraNet® radial its superior shape retention; the fabric also has a soft working "hand." For the sailmaker, design targets that were possible only with laminates can now be achieved with HydraNet® radial. The range of HydraNet® radial styles is designed for step-up construction, and the wide 54"/137cm width makes for efficient nesting of radial panels.





sailcloth
technology

Hydra Net[®] radial's extremely high ratio of Dyneema[®] fibers in the warp direction make it perfect for radial constructions

A tight weave insures bias stability

A soft working "hand" makes Hydra Net[®] radial easy to furl and easy to handle

DIMENSION-POLYANT woven polyesters

The strength of warp-oriented Dyneema[®] fibers combined with a tight weave

● **HIGHEST QUALITY, HIGHEST TENACITY YARNS & FIBERS**

The fibers in DIMENSION-POLYANT woven fabrics are engineered from high-quality, high-tenacity yarns

● **CONSISTENT CHEMICAL MAKEUP IN FINISHING**

Continual research and development with the world's best raw materials results in optimized coatings and finishes

● **CONSISTENT SPECS**

Start-to-finish control over the weaving and finishing processes means consistent stretch and firmness specs

● **FLATNESS**

Wide-width looms designed specifically for sailcloth and climate-controlled weaving plant results in flat, straight fabrics

● **IN-HOUSE CONTROL OF DESIGN, WEAVING & FINISHING**

Total control of every step in the sailcloth manufacturing process gives D-P wovens consistent top performance

● **WORLD'S LARGEST MAKER OF WOVEN POLYESTER**

DIMENSION-POLYANT has more worldwide woven polyester fabric design, testing, construction, and finishing facilities than any other sailcloth producer

Boat Length	Application	Style
31 - 35 feet	#3	HN343
36 - 40 feet	Mainsail	HN343
	#3	HN343
41 - 45 feet	Mainsail	HN343/383
	#2	HN343
	#3	HN343/383
46 - 50 feet	Mainsail	HN383
	#1	HN343
	#2	HN343/383
	#3	HN383
51 - 55 feet	Mainsail	HN383/433
	#1	HN343
	#2	HN383
	#3	HN383/433
56 - 60 feet	Mainsail	HN433/483
	#1	HN383
	#2	HN383/433
	#3	HN433/483
61 - 65 feet	Mainsail	HN483/533
	#1	HN383/433
	#2	HN483/533
	#3	HN533

DIMENSION-POLYANT GmbH, Germany Headquarters

Speefeld 7
D-47906 Kempen
Phone: +49 (2152) 891 0
Fax: +49 (2152) 891 149
info@dimension-polyant.com

DIMENSION-POLYANT SAS, France

Rue Newton
Parc Technologique
F-17000 La Rochelle
Phone: +33 (0) 546 282 201
Fax: +33 (0) 546 412 840
larochelle@dimension-polyant.com

DIMENSION-POLYANT SAS, France

Port de la Pointe Rouge
F-13008 Marseille
Phone: +33 (0) 491 736 628
Fax: +33 (0) 491 722 505
marseille@dimension-polyant.com

DIMENSION-POLYANT UK Ltd., United Kingdom

Unit 11, Kingdom Close
Kingdom Business Park
Segensworth East
GB-Fareham Hampshire PO15 5TJ
Phone: +44 (1489) 570 551
Fax: +44 (1489) 570 451
uk@dimension-polyant.com

DIMENSION-POLYANT Inc., USA

78, Highland Drive
USA-Putnam CT 06260
Phone: +1 (860) 928 8300
Fax: +1 (860) 928 8330
info@us.dimension-polyant.com

DIMENSION-POLYANT Sailcloth PTY Ltd., Australia

P.O. Box 825
Unit 7/9 Powells Rd.
AUS-Brookvale N.S.W. 2100
Phone: +61 (2) 9905 9565
Fax: +61 (2) 9905 9569
dp-aus@dimension-polyant.com

www.dimension-polyant.com