MEHLER TEXNOLOGIES

VALMEX® façade

HIGH-VALUE TEXTILES FOR PERMANENT FAÇADES

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By reason of reproduction color display is not binding and can differ to original due to browser and monitor.

TEXTILES TO TRANSFORM

Building façade

Stadium façade

Printed building façade

Shopping center roof

Decorative façade elements

Event pavilion

MEHLER eco-care

The responsible way in which Low & Bonar deals with energy and resources, and its use of environmentally sustainable materials have been bundled under one all-embracing label.

vinyl plus
COMMITTED TO SUSTAINABLE DEVELOPMENT

Low & Bonar honours its commitment to environmental responsibility and sustainability by participating in VinylPlus: The voluntary commitment of the PVC industry.

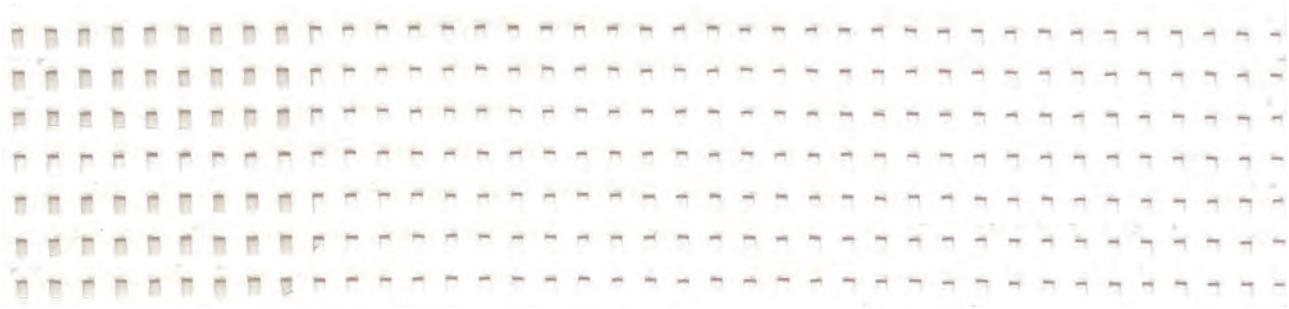
ALL COMPONENTS REACH COMPLIANT
Registration, Evaluation and Authorisation of Chemicals

Low & Bonar strictly selects all product components in conjunction with the most stringent EU directives and is fulfilling them as a pioneer in this industry.

10 YEARS WARRANTY
CONDITIONS APPLY

Made in Germany

VALMEX® TF 300



7283 5246 958958 White

VALMEX® TF 400

7280 5246 958958 White

VALMEX® TF 500

7285 5246 958958 White, only on request

VALMEX® TF 600

7286 5246 958958 White

With more than 80 years of experience Mehler Texnologies is your reliable partner for tensile architecture applications. Over the decades we built up experience in the coated technical textile industry as well as a huge knowledge base.

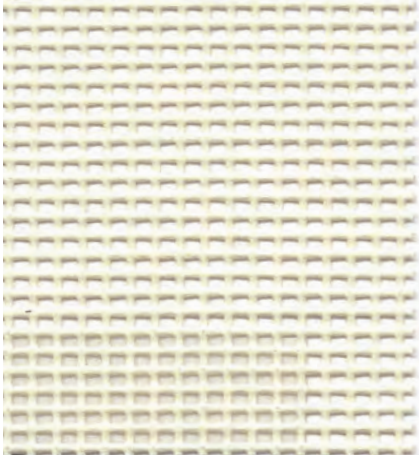
Our **VALMEX**® façade product range is meant for building or renewing façades. It offers numerous design options. From hard and sharp edges to smooth and sculptural curvatures.

VALMEX® façade meshes are made for long lasting cladding applications. The resistance, durability and permeability have been the key characteristics through-out the development process. The hi-tech meshes are composed of carefully selected raw materials. An extreme-ly tight high-tenacity PES base fabric with vinyl coating, protected by the unique and weldable **MEHATOP**® **F1** PVDF top finish. This results in technical perfection: the first choice for any long lasting cladding application.

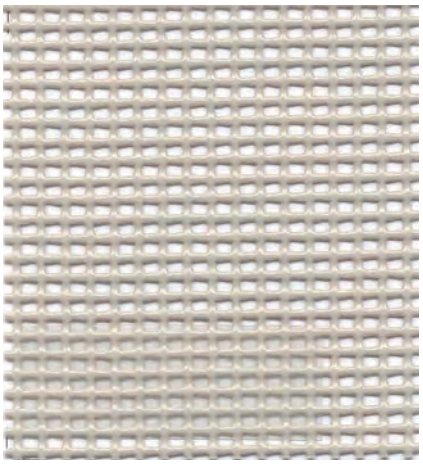
Besides their different appearance the four façade meshes are mainly characterized by two values: tensile strength and degree of openness. Upon request we offer special top finishes, like **MEHATOP**® N and our special **print lacquer**. Furthermore, we have a new range of colors available. If your color is still not among these suggestions, please don't hesitate to get in touch with us!

VALMEX®			**TF 300**	**TF 400**	**TF 500**	**TF 600**
Product No.			**7283 5246**	**7280 5246**	**7285 5246**	**7286 5246**
Material composition						
Finish	Multi-composed lacquering with highly concentrated PVDF mixture on both sides, weldable without grinding, protected against microbial and fungal attack, UV-protected					
	Measurement methods/ Classifications	**Unit**				
Base fabric	DIN ISO 2076		Polyester	Polyester	Polyester	Polyester
Yarn count	DIN ISO 2060	dtex	1100	3300 / 2200	1670 / 8800	2200 / 2200
Low-wick yarn treat-ment	Methylenblue liquid method	mm	<5	<5	<5	<5
Total weight	EN ISO 2286-2	g/m^2	700	420	500	1050
Fabric thickness		mm	0.94	0.77	1.25	1.46
Fabric openness	PA 12.03	%	approx. 18 %	approx. 34 %	approx.50 %	approx. 24%
Mechanical properties						
Tensile strength (warp/weft)	DIN EN ISO 1421/V1	N/50 mm	4200 / 3000	4000 / 3000	4000 / 3200	6000 / 5500
Tear strength (warp/weft)	DIN 53363	N	800 / 650	800 / 550	1100 / 800	1800 / 1800
Elongation at break (warp/weft)	DIN EN ISO 1421/V1	%	22 / 23	25 / 26	22 /32	25 / 26
Physical properties						
Adhesion	PA 09.03 (intern)	N/cm	20	20	approx. 15	20
Light fastness	DIN EN ISO 105 B02		>6	>6	>6	>6
Seam strength	DIN 53354	N/50 mm	1400	1400	1200	4000
Air permeability	EN ISO 9237	l/m^2*sec	2243	6195	>7040	3560
Cold resistance	DIN EN 1876-1	°C	-20	-20	-20	-20
Heat resistance	PA 07.04	°C	+70	+70	+70	+70
Fire resistance	Classification		DIN 4102: B1 NFP 92507: M2 (Coloris blanc)	DIN 4102: B1 BS 7837 EN 13501-1: B-s2-d0 NFP 92507: M1 VKF Richtlinie 5.2 California T19 NFPA 701 Test 2 ASTM E84: Class A CAN ULC S109 AS 1530 part 2 AS 1530 part 3	flame retardant EN 13501-1: C-s3-d0 California T 19 NFPA 701 Test 2	DIN 4102: B1 (White) BS 7837 California T 19 NFPA 701 Test 2 ASTM E84: Class A
Standard roll width		cm	320	320	320	320

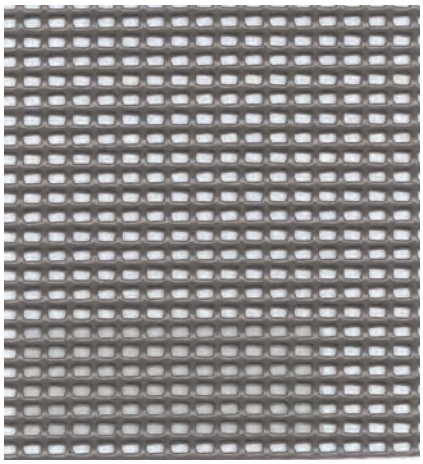
VALMEX® TF 400 Color options



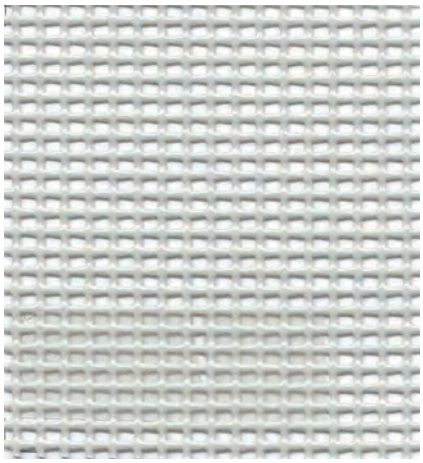
7280 5246 150150 Champagner



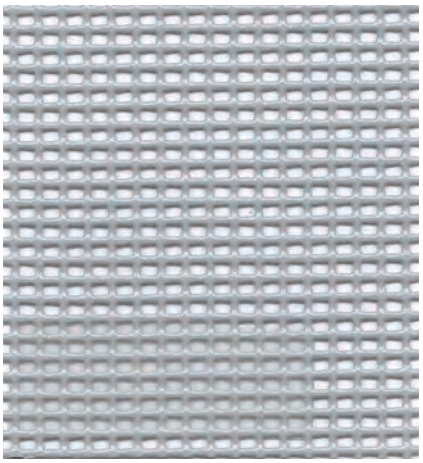
7280 5246 887887 Gobi



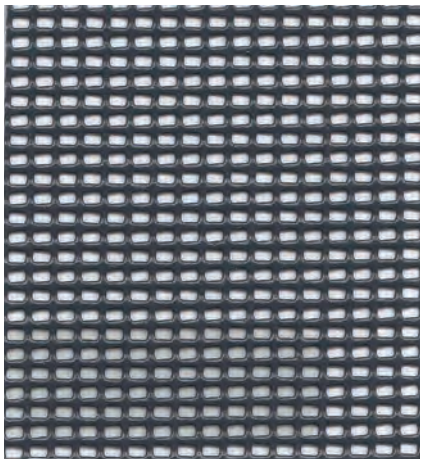
7280 5246 846846 Taupe



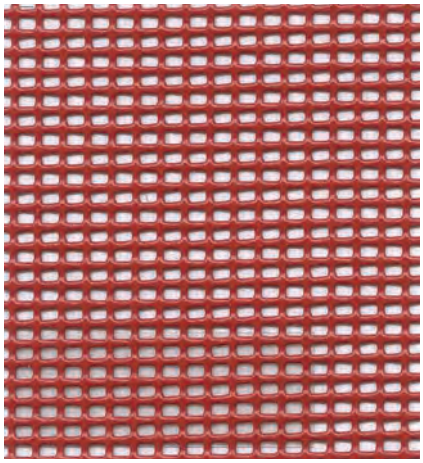
7280 5246 729729 Light Gray



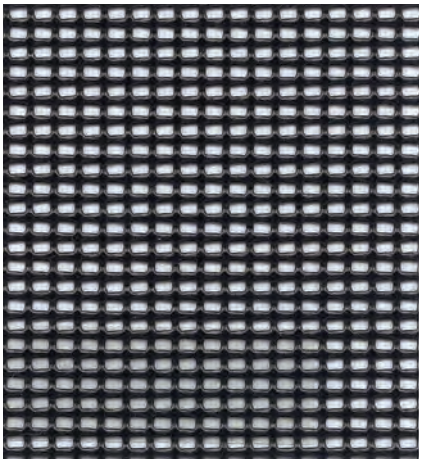
7280 5246 717717 Pale Gray



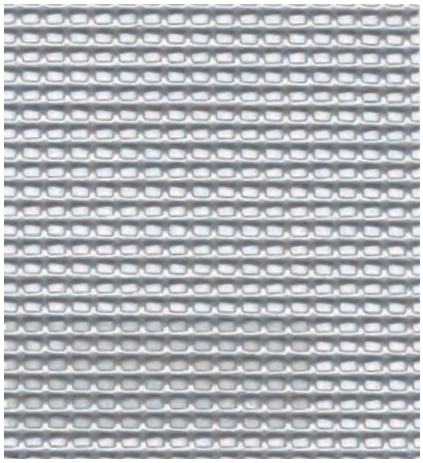
7280 5246 782782 Anthracite Gray



7280 5246 356356 Fire Red



7280 5246 905905 Black



7280 5290 911911 Silver

Bei den angegebenen technischen Daten handelt es sich um Durchschnittswerte. Geringfügige Farbschwankungen vorbehalten. RAL-Farben in Anlehnung. Stets Gültigkeit der FR-Zulassung prüfen. Alle Mehler Texnologies-Produkte entsprechen der EU-Verordnung REACH (Registration, Evaluation, Authorisation of Chemicals). Die Herstellung unserer technischen Textilien ist nach ISO 9001 und ISO 50001 für Energiemanagement zertifiziert. Weitere Varianten auf Anfrage, Programmänderungen vorbehalten.

The indicated technical specifications are average values. Colours are subject to slight variations. References made to RAL are indications only. Always check the validity of fire certificate. All Mehler Texnologies products are in accordance with the European **REACH** directive (**R**egistration, **E**valuation and **A**uthorisation of **Ch**emicals). Manufactured in Germany under the internationally recognized standard of quality **ISO 9001** and **ISO 50001** for energy management. Other versions upon request, program changes reserved.

Les données techniques indiquées sont des valeurs moyennes. Sous réserve de légers changements de coloris. Coloris approchants RAL. Veuillez toujours vérifier la validité des certificats anti-feu. Tous les produits Mehler Texnologies sont conformes à la réglementation Européenne **REACH** – enregistrement, évaluation et autorisation des substances chimiques. Toutes nos fabrications sont certifiée selon les standards de qualité internationaux **ISO 9001** et **ISO 50001** pour la gestion de l'énergie. Autres versions sur demande, sous réserve de modifications de la gamme.

Caracteristicas tecnicas indicadas en valores medios. Sujetas a pequeñas alteraciones del color. Referencias al RAL son solo indicativas. Siempre verificar la validez del certificado de ignición. Todos los productos de Mehler Texnologies cumplen la normativa **REACH** (**R**egistration, **E**valuation and **A**uthorisation of **Ch**emicals [Registro, Evaluación y Autorización de Sustancias Químicas]). La fabricación de nuestros productos esta certificada según la **ISO 9001** y la **ISO 50001** (para la gestión energética). Otras variantes bajo consulta. Posibles modificaciones sin previo aviso.

I dati tecnici sono la risultanza di valori medi di produzione. Sono possibili leggere variazioni di colore. I colori sono prodotti in rispondenza alla scala RAL. Verificare sempre la validità delle certificazioni. Tutti i prodotti Mehler Texnologies rispondono alla normativa **REACH** (**R**egistration, **E**valuation and **A**uthorisation of **Ch**emicals). La produzione dei nostri tessuti è certificata secondo **ISO 9001** e **ISO 50001** per la gestione della prestazione energetica. Su richiesta, si possono produrre altre versioni. Modifiche della gamma sempre possibili.

Все указанные технические данные базируются на основе выявленных средних показателей. Цвета приближены к RAL. Незначительные цветовые отклонения возможны. Все продукты Mehler Texnologies соответствуют ЕС директиве «**REACH**» – (**R**egistration, **E**valuation and **A**uthorisation of **Ch**emicals). Проверяйте срок действия сертификата пожарной безопасности. Произведено и сертифицировано в Германии согласно нормативам стандартов качества **ISO 9001** и **ISO 50001** для управления энергопотреблением. Другие варианты по запросу. Возможны изменения в программе.

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TEXTILES TO TRANSFORM

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