

2016

Profile & Products

Welcome to Bodotex

Right in the Heart of Denmark

Bodotex is a trade and production company with origin in the beautiful Vejle River Valley in Denmark. Established in 1953, with roots in the textile industry, Bodotex has developed into a cluster of Specialist Business units that focus at chemicals and composites through its two companies Bodotex International A/S and Bodotex Composites Aps.

Identifying the need for continuous development is a core activity for Bodotex, involving testing of product properties in close contact with customers and manufacturers or suppliers.

Bodotex is proudly a AAA Credit Rated.

Bodotex is centrally situated operating from Self owned premises with 1000 m2 warehouse, in Denmark, only 100 km from Germany, 100 km from Esbjerg (North Sea) and 200 km from Copenhagen. We ship Daily to a Global customer base. Logistics management is a large part of Bodotex services. Bodotex operates throughout the EMEA



Bodotex is a fresh and vibrant company, experienced, with a modern know how and a global outlook.

Bodotex has repeatedly obtained the diploma from Green Network by reducing its impact in the environment is a member of the Green Network since 1995 and supports the Danish Cancer Society as part of our participation in social partnership



Bodotex offers traditional values like good service, fast delivery and technical consulting



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World Class Danish Composites Materials

Bodotex Composites is a substantial supplier to the composite industry globally. Bodotex Composites is active daily as a technology partner for Composite Process, and have been servicing the global Composite Market since 2004.

Bodotex Composites has a wide range of products and services aimed at servicing our key market sectors and regions.

Bodotex Composites is based Vejle, Denmark with comprehensive Laboratory, Production, Stores and Experienced Global logistics service.

- ✓ **BODOPOX -Epoxy Based Resin Technology**
- ✓ **Vacuum Infusion Technology**
- ✓ **RTM Technology**
- ✓ **Composite Structural & Process Materials**
- ✓ **Balsa Core**
- ✓ **Pump Technology | Service**
- ✓ **Carbon Fiber solutions**
- ✓ **CCS – Composite Consulting Services**



Bodopox - Epoxy Resin Systems

Development and production

Bodotex has since 2004 developed its own original design epoxy resin systems for all types of industries. From Basic Ambient curing Hand layup resins to High TG Mould Infusion Resins Bodotex offers a wide range of Original Content and designed Epoxy Resin systems under the Brand **BODOPOX & BODOCURE**

BODOPOX designs are owned and developed in our labs and are is used in a wide variety of applications in the EMEA regions.

BODOPOX - Epoxy Resin Systems together with our extensive range of BODOCURE curing range are applicable typically into the following applications or configurations:

- ✓ Vacuum Infusion Resin Systems
- ✓ Hand layup Resin Systems
- ✓ Tooling Resin Systems High TG
- ✓ Pipe Relining Epoxy Systems
- ✓ Drinking water Epoxy Systems
- ✓ Extrusion Epoxies Systems
- ✓ Filament Winding Epoxies Systems
- ✓ UV Absorbing Epoxy Systems
- ✓ Bisphenol Free Epoxy Systems
- ✓ Stone Impregnation Systems
- ✓ Flooring Epoxies

Bodopox Resins and curing agents are used in Wind Turbine Blade Moulding, Marine applications for Tooling and Infusion, Defence applications and Pipe Repair technology, as well as a wide industrial application of our Epoxy Products

Bodotex Composites has a large variety of standard systems, some of which are approved by Germanischer LLOYDs.



Next to the standard systems, Bodotex Composites engineers customer specific systems so please ask, we can match a wide variety of applications.

Epoxy Overview

Quick Reference Epoxy guide

BODOCURE

BODODPOX

		ACA 33/ 70	CA 35	CA 41 SERIES	CA43 SERIES	INF 24	INF 24 T6	INF 32 SERIES	INF 33	INF 33 T6
800 FL	Very low Viscosity Floor Primer	RT								
900	Infusion Resin Good Mechanical Properties Ambient to High TG cure Options			RT	RT	PC		PC		
1050UV	High Mechanical Properties UV Resistant Infusion Bisphenol Free					PC				
1100XY	High Etch Good mechanical Properties		RT							
AF 1200	Infusion Resin Good mechanical Properties	RT	RT	RT	RT	PC	PC	PC	PC	PC
1400 T130	Infusion High TG Post Cure Excellent mechanical strenght					PC				
1400 T 175	Infusion High TG Post Cure Excellent mechanical strenght					PC				
1400 T6 130	Handlayup High TG Post Cure Excellent wetting and mechanical Properties						PC			
3000SLF	Self Levelling Epoxy RT Cure Tyopically Floor Epoxy	RT								
5000	Hand Layup No thix	RT	RT	RT	RT	PC	PC	PC	PC	PC
5500	Handlayup good wetting and thix properties Ambien and Post Cure High Tg			RT	RT		PC	PC		
8000	Bisph AF no diluents			RT	RT					
9000	High Viscosity Extrusion Quality Excellent mechanical Strenght									

✓

RT = Room temperature Curing 18-22 Deg TG +- 60

✓

PC` = Post Curing Required, Refer to TDS

BODOCURE over View

- ACA 33/ 70 | Floor Primer 800FL Only
- CA 35 Series | See Bodopox 1100 XY CA43 System
- CA 41 Series | Ambient Cure | Clear System | Slow, Medium, Fast, X Fast
- CA 43 Series | Ambient Curing Series | Slow, Medium, Fast, X Fast
- INF 24 | High TG | Infusion | High Post Cure | See TDS
- INF 24 T6 | High TG | Hand Layup | See TDS
- INF 32 Series | Post Curing 60 Deg TG 6 Hours | Slow Medium Fast X Fast
- INF 33 Slow | Post Cure | Approved for CIPP drinking water systems

All Epoxies and Curing agents are available in 20 kg | 200kg | 1000kg formats

Epoxy system | 5500

Hand Lamination Room Temp Curing Resin systems

New Improved All-Round hand lamination Resin System

Improved Thixotropiy, increased adhesion to metal and other substrates

All curing agents within the range can be intermixed in order to obtain customer specified pot life.

Suitable in the cases where post curing is not possible



Bodopox 5500	Bodocure CA 43 Fast	Bodocure CA 43 Medium	Bodocure CA 43 Slow	Bodocure CA 43 X-slow
Mixing ratio by weight	100:43	100:43	100:43	100:43
Mixing ratio by volume	100:50	100:50	100:50	100:50
Viscosity of mixture: (at 23 C)	2500-3500 mPas	2500-3500 mPas	2500-3500 mPas	2500-3500 mPas
Time to gelation min (23°C-200g.)	20-30min	35-45 min	85-100 min	240-300 min
Time to 50 C min (23 C 200 g)	15-25 min	30-40 min	70-85 min	220-240 min
Min. cure temp °C	5	5	5	5
Thin film set-time	4h	6h	10h	18h
Elongation at break %	3-4%	4-5 %	4-5 %	5-6 %
Tolerance to moisture	+++	+++	+++	+++
Tg – DSC *)	~60°C	~60°C	~60°C	~55°C

Epoxy system | 5500

Hand lamination – post curing (High Tg)

The system is an easy applicable lamination system, which exhibits excellent mechanical properties. The system includes 5 different hardeners, which are all compatible in all ratios.

Curing will take place at temperatures down to 15 C and will provide good mechanical properties after 24 – 48 hours of curing at normal ambient temperature.

However, it is recommended that the system is post cured at min 50 dgC for a min of 16 H, which in return will secure excellent mechanical and chemical resistance properties.

Post curing at temperatures ≥ 40 C for a min of 24 H is necessary when applying the slow or x-slow hardeners.



Bodopox 5500H	Bodocure INF 32 X-Fast	Bodocure INF 32 Fast	Bodocure INF 32 MEDIUM	Bodocure INF 32 SLOW	Bodocure INF 32 X-SLOW
Mixing ratio by weight	100:32	100:32	100:32	100:32	100:32
Mixing ratio by volume	100:38	100:38	100:38	100:38	100:38
Viscosity of mixture: (at 23 C)	2500 – 2000 mPa*s	2500 – 2000 mPa*s	2500 – 2000 mPa*s	2300 – 1800 mPa*s	2300 – 1800 mPa*s
Time to 50 C min (200g/23 C)	20-30	45-55	95-115	200-220	250-300
Time to gelation min (200 g/ 23 C)	25-35	55-65	110-130	220-240	300-350
Thin film set-time Minimum .	Ca. 4 H	Ca. 6 H	Ca. 8 H	Ca. 12 H	Ca. 18 H
Min. cure temp	15 dgC	15 dgC	15 dgC	15 dgC	15 dgC

Mechanical Properties

Hardners	INF 32 X FAST	INF 32 FAST	INF 32 MEDIUM	INF 32 SLOW	INF 32 XSLOW
Tg – DSC (*) oC	Ca. 95	Ca. 95	Ca. 95	Ca. 95	Ca. 80

Epoxy system | AF1200

Vacuum Infusion – room temp. curing

The system is based upon a high quality BPA/F blend, modified for reduced viscosity.

As always it is an advantage using heated moulds and preheated epoxy for infusion (30-35 C), thus reducing infusion time and improving penetration and wetting. All curing agents within the range can be intermixed in order to obtain customer specific pot-life.

Bodocure CA43-60 curing agents are tolerant to moisture and cures well at low temperatures and therefore very suitable when no post curing is possible



Bodopox AF1200	Bodocure CA 43 Fast	Bodocure CA 43 Medium	Bodocure CA 43 Slow	Bodocure CA 43 X-slow
Mixing ratio by weight	100:43	100:43	100:43	100:43
Mixing ratio by volume	100:50	100:50	100:50	100:50
Viscosity of mixture:	350-450 mPas	350-450 mPas	350-450 mPas	350-450 mPas
Time to gelation min (200 g at 23 C)	20-30min	35-45 min	85-100 min	240-300 min
Time to 50 C min (200 g at 23 C)	15-25 min	30-40 min	70-85 min	220-240 min
Min. cure temp °C	5	5	5	5
Thin film set-time	4h	6h	10h	18h
Elongation at break %	3-4%	4-5 %	4-5 %	5-6 %
Tolerance to moisture	+++	+++	+++	+++
Tg – DSC *)	~60°C	~60°C	~60°C	~55°C

***) after 6h curing at 50gr.C**

Epoxy system | AF1200

Vacuum infusion - post curing High TG

The system is based upon a high quality BPA/F blend, modified for reduced viscosity.

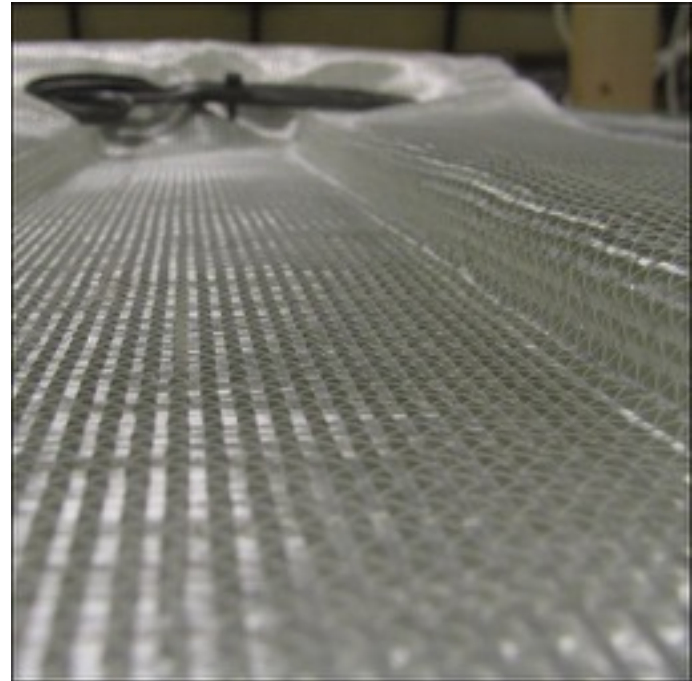
Curing agents are developed for the infusion process.

Based upon long experience with vacuum- and RTM process, and designed to give best possible combination of strength and good process ability.

As always is it an advantage using heated moulds and preheated epoxy for infusion, thus reducing viscosity. Typically to 30-35°C

The system is post cured at min 50 dgC for a min of 16 H, which in return will secure excellent mechanical and chemical resistance properties.

Post curing at elevated temperatures for a min of 24 H is essential when applying the slow or x-slow hardeners.



Bodopox 1200	AF	Bodocure INF 32 X-Fast	Bodocure INF 32 Fast	Bodocure INF 32 MEDIUM	Bodocure INF 32 SLOW	Bodocure INF 32 X-SLOW
Mixing ratio by weight		100:32	100:32	100:32	100:32	100:32
Mixing ratio by volume		38:100	38:100	38:100	38:100	38:100
Viscosity of mixture: (at 23 C)		250-350 mPas	250-350 mPas	250-350 mPas	250-350 mPas	250-350 mPas
Time to 50 C min (23 C 200 g).		20-30	45-55	95-115	200-220	250-300
Time to gelation min (23 C 200 g)		25-35	55-65	110-130	220-240	300-350
Thin film set-time Minimum .		Ca. 4 H	Ca. 6 H	Ca. 8 H	Ca. 12 H	Ca. 18 H
Min. cure temp		15 dgC	15 dgC	15 dgC	15 dgC	15 dgC

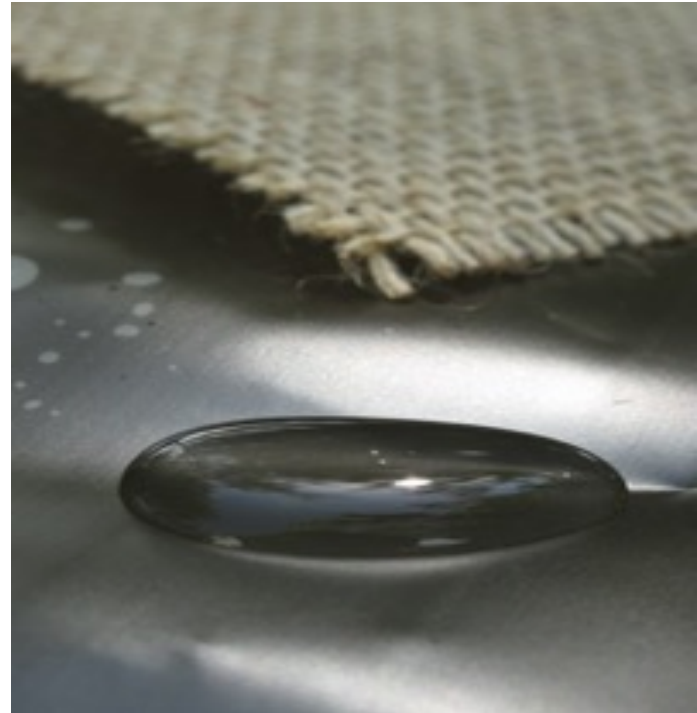
Epoxy System | UV 1050

UV Resistant high TG Infusion Resin system

Designed when a long lasting, UV resistant clear and strong composite is required. Bodopox 1050 . Bodopox 1050 UV when used with Bodocure - Inf 24 Returns a excellent strength composite that is clear in colour.

UV resistant system for coatings, surface lamination etc

Contact us for more information on this product from Bodotex Composites



Bodopox UV 1050

. Bodocure - INF24

Mix-ratio by weight	100:22
Viscosity mixed	300-450 mPas
Gel-time 23°C-500g.	100 min.
Min. Cure temp °C	20°C
E-modulus	34-3500
Elongation to break %	4-5%
Max Tg	130°C
Chemical resistance (1-5)	5

Balsa | End Grain EG 150

Bodotex Composites is importing and selling end-grain Balsa Wood Panels.

The production is in Ecuador and Bodotex Composites have full control over the process from drying over QM to packaging of the finished panels.

The quality is high and uniform due to the full integration.

Part of our soon to come Bio based Composite product Developmentcommitted to bio based solutions in composites



Panels made of kiln-dried end grain balsa wood. Panels are cut to thickness and sanded to the tolerance. Panels can be supplied as stiff panels, or scrimmed and scored to fit contoured surfaces.

Balsa-wood has superior weight/strength properties to any core-material, and outperforms most artificial products in high temperature applications.

Balsa-wood has high impact strength, and is superior in fatigue. It will typically find the original shape instead of being crushed under moderate overload.

When being used in vacuum infusion processes, are the individual blocks properly impregnated and sealed, and thereby protected against moisture etc.

Item number	Thickness	Panels/box	total m2/box
300200	3/8" (9.52mm)	35	26,01
300204	1/2" (12.7mm)	27	20,07
300203	5/8" (15.87mm)	22	16,35
300201	3/4" 19.05mm)	17	12,63
300202	1" (25.4mm)	13	9,66
300205	1 1/4" (31.8mm)	10	7,43
300402	1 1/2" (38.1mm)	8	5,95

Panel Sizes are : 609,6 mm x 1219,2 mm

Standard Panel Formats: Flexible panels , Scrim Blocks .

Balsa is part of our Bio Composites green technology commitment

Resin Mixing Technology

Bodotex Composites represents Composite Integration UK for Denmark and Sweden. Resin mixing equipment are used with any 2-component product like Epoxy or Polyester. The machines are used for on-site mixing and range from the smallest 3-4 kg/min to large automated industrial installations with variable addition of hardener, addition of colour pastes and a choice of program fitted to the individual form

In addition to a wide range of Meter and Mixing hardware, Bodotex offers a wide range of **RTM Mould ancillaries** and products to assist in building RTM and RTM Light moulds.



Full technical Service

Full Service Guarantee from Bodotex , we sell service and maintain all the Composite Integration pumps in Denmark and Sweden . We have trained skilled services and carry a set of spares to support most cases . We assist in the set up and integration with our clients.

Ciject Zero Injection

The lowest cost machine in the Ciject™ range with simple and effective manual control system

Available configured for use with polyester, vinyl-ester, epoxy and phenolic systems.

XE-0000	Ciject Zero Resin Injection Machine
XE-0000-CK-01	Ciject Zero - Polyester to Epoxy 100:50 conversion kit
XE-0000-CK-02	Ciject Zero - Epoxy 100:50 to Polyester conversion kit
XE-0000-CK-03	Ciject Zero - Polyester to Phenolic conversion kit
XE-0000-01	Ciject Zero Polyester
XE-0000-02	Ciject Zero Epoxy 100:50
XE-0000-03	Ciject Zero Epoxy 100:100
XE-0000-04	Ciject Zero Phenolic
XE-0000-OPT-05	OPTION 05 - Ciject Zero 'Plus'
XE-0000-OPT-06	OPTION 06 - Ciject Zero High Flow Head
XE-0000-OPT-07	OPTION 07 - Ciject Zero High Flow Hose Kit
XE-0000-SERVICE	CIJECT Zero -Service
XE-0000-SK	Ciject Zero Spares Kit
XE-0000-SK-01	Polyester (Spares)
XE-0000-SK-02	Epoxy 100:50 (Spares)
XE-0000-SK-03	Epoxy 100:100 (Spares)
XE-0000-SK-04	Phenolic (Spares)
XE-0000-SK-OPT-05	OPTION 05 - High Flow Hose Kit (Spares)
XE-0000-SK-OPT-06	OPTION 06 - High Flow Head (Spares)

Ciject One Injection

A sophisticated machine with programmable functions and an extensive level of control options

Unrivalled levels of control with simplicity of operation. Available configured for use with polyester, vinyl-ester, epoxy and phenolic systems

XE-1000	CIJECT One - Injection Machine
XE-1000-CK-01	Ciject One - Conversion Kit - Polyester to Epoxy 100:50
XE-1000-CK-02	Ciject One - Conversion Kit - Epoxy 100:50 to Polyester
XE-1000-CK-03	Ciject One - Conversion Kit - Polyester to Phenolic
XE-1000-01	Polyester
XE-1000-02	Epoxy 100:50
XE-1000-03	Epoxy 100:100
XE-1000-04	Phenolic
XE-1000-OPT-05	OPTION 05 - Solvent Level Sensor
XE-1000-OPT-06	OPTION 06 - Catalyst Monitor
XE-1000-OPT-07	OPTION 07 - Hardener Monitor
XE-1000-OPT-08	OPTION 08 - Pre-Injection Vacuum Test
XE-1000-OPT-09	OPTION 09 - Inline PID Resin Heater
XE-1000-OPT-10	OPTION 10 - Catalyst Return Isolation
XE-1000-OPT-11	OPTION 11 - High Flow Head
XE-1000-OPT-12	OPTION 12 - High Flow Hose Kit
XE-1000-OPT-13	OPTION 13 - Fixed Catalyst Tank
XE-1000-SERVICE	Ciject One Service
XE-1000-SK	Ciject One Spares Kit
XE-1000-SK-OPT-01	Polyester (Spares)
XE-1000-SK-OPT-02	Epoxy 100:50 (Spares)
XE-1000-SK-OPT-03	Epoxy 100:100 (Spares)
XE-1000-SK-OPT-04	Phenolic (Spares)
XE-1000-SK-OPT-06	OPTION 06 - High Flow Head (Spares)
XE-1000-SK-OPT-07	OPTION 07 - High Flow Hose Kit (Spares)



Ciject Two Injection

The most sophisticated machine in the Ciject™ range

Powerful touch-screen PLC control enabling the edition of sophisticated options. For use with polyester, vinyl-ester, epoxy and phenolic systems.

XE-2000	CIJECT Two - Resin Injection Machine
XE-2000-CK-01	Ciject Two - Conversion Kit - Polyester to Epoxy 100:50
XE-2000-CK-02	Ciject Two - Conversion Kit - Epoxy 100:50 to Polyester
XE-2000-CK-03	Ciject Two - Conversion Kit - Polyester to Phenolic
XE-2000-01	Polyester
XE-2000-02	Epoxy 100:50
XE-2000-03	Epoxy 100:100
XE-2000-04	Phenolic
XE-2000-OPT-05	OPTION 05 - Solvent Level Sensor
XE-2000-OPT-06	OPTION 06 - Catalyst Level Sensor
XE-2000-OPT-07	OPTION 07 - Catalyst Monitor
XE-2000-OPT-08	OPTION 08 - Hardener Monitor
XE-2000-OPT-09	OPTION 09 - Resin & Catalyst Flow Meters
XE-2000-OPT-10	OPTION 10 - Resin & Hardener Flow Meters
XE-2000-OPT-11	OPTION 11 - Motorised Catalyst System (MCR)
XE-2000-OPT-12	OPTION 12 - RFID
XE-2000-OPT-13	OPTION 13 - Pre-Injection Vacuum Test
XE-2000-OPT-14	OPTION 14 - Inline PID Resin Heater
XE-2000-OPT-15	OPTION 15 - Inline PID Hardener Heater
XE-2000-OPT-16	OPTION 16 - Catalyst Return Isolation
XE-2000-OPT-17	OPTION 17 - High Flow Head
XE-2000-OPT-18	OPTION 18 - High Flow Hose Kit
XE-2000-OPT-19	OPTION 19 - Fixed Catalyst Tank
XE-2000-OPT-20	OPTION 20 - IMPS input module - 3 input
XE-2000-OPT-21	OPTION 21 - Thermocouple monitoring module - 6 input
XE-2000-OPT-22	OPTION 22 - SCADA data monitoring
XE-2000-SERVICE	Ciject Two Service
XE-2000-SK	Ciject Two Spares Kit
XE-2000-SK-01	Polyester
XE-2000-SK-02	Epoxy 100:50
XE-2000-SK-03	Epoxy 100:100
XE-2000-SK-04	Phenolic
XE-2000-SK-OPT-06	OPTION 06 - High Flow Head Kit (Spares)
XE-2000-SK-OPT-07	OPTION 07 - High Flow Hose Kit (Spares)



Ciject 4

Designed specifically for high volume 'Direct Infusion' process

Based around a double pump system, the Ciject™ Four can provide fluid output up to 20kg/min.

XE-4000	Ciject Four - Injection Machine
XE-4000-01	Polyester
XE-4000-02	Epoxy 100:50
XE-4000-OPT-03	OPTION 03 - Motorised Catalyst Ration (MCR) x 2
XE-4000-OPT-04	OPTION 04 - RFID
XE-4000-OPT-05	OPTION 05 - Remote Pendant Screen
XE-4000-OPT-06	OPTION 06 - On Board Vacuum Pump
XE-4000-OPT-07	OPTION 07 - High Flow Head
XE-4000-OPT-08	OPTION 08 - In-line resin heaters (x2)
XE-4000-OPT-09	OPTION 09 - Catalyst Monitor (x2)
XE-4000-OPT-10	OPTION 10 - Hardener Monitor (x2)
XE-4000-OPT-11	OPTION 11 - Resin & Catalyst Flow Meters (x2)
XE-4000-OPT-12	OPTION 12 - Resin & Hardener Flow Meters (x2)
XE-4000-OPT-13	OPTION 13 - SCADA Data monitoring
XE-4000-OPT-14	OPTION 14 - Vacuum Level Monitoring (x2)
XE-4000-OPT-15	OPTION 15 - Thermocouple Module (x6)
XE-4000-OPT-16	OPTION 16 - Additional IMPS inputs (x8)
XE-4000-SERVICE	Ciject Four - Service
XE-4000-SK-01	Ciject Four Polyester Spares Kit Std Head
XE-4000-SK-02	Ciject Four Polyester Spares Kit High Flow Head
XE-4000-SK-03	Ciject Four Epoxy Spares Kit Standard Head
XE-4000-SK-04	Ciject Four Epoxy Spares Kit High Flow Head



Ciject 5

Development of the existing Ciject™ range of meter-mixing injection/infusion machines

Designed for large scale infusion, the Ciject™ Five produces output rates unachievable with conventional piston-pump based equipment.

XE-5000	Ciject Five Gear Pump Polyester
XE-5000-01	Polyester
XE-5000-02	Epoxy
XE-5000-OPT-03	OPTION 03 - On Board Vacuum Pump
XE-5000-OPT-04	OPTION 04 - SCADA Data Monitoring
XE-5000-OPT-05	OPTION 05 - SCADA Full Control & Monitoring (customer supplied PC)
XE-5000-OPT-06	OPTION 06 - Polyester Keg Handling Unit with level monitoring
XE-5000-OPT-07	OPTION 07 - Vacuum Level Monitoring (x2)
XE-5000-OPT-08	OPTION 08 - Thermocouple Module (x6)
XE-5000-OPT-09	OPTION 09 - Fixed 50 litre stainless steel catalyst tank with level monitoring
XE-5000-SERVICE	Ciject Five - Service
XE-5000-SK-01	Ciject Five Polyester Spares Kit
XE-5000-SK-02	Ciject Five Epoxy Spares Kit



In Mould Pressure Sensors

IMPS

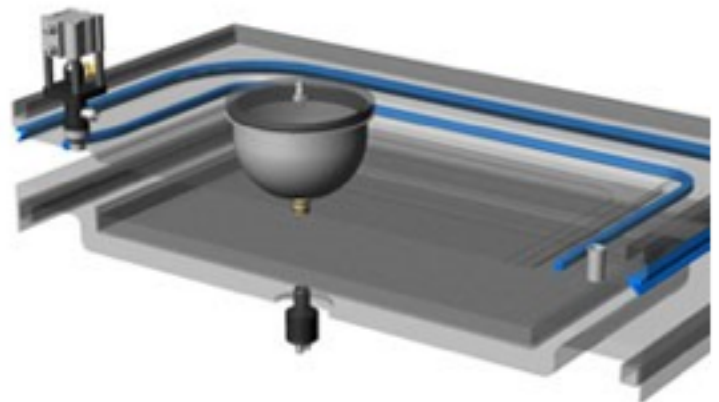
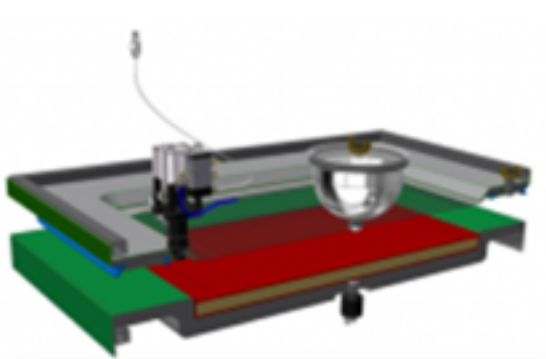
XE-0050-001	IMPS - Sensor -1+19 bar Gauge
XE-0050-002	IMPS - Sensor -1+3 bar Gauge
XE-0050-003	IMPS - Sensor 0-4 bar Absolute
XE-0050-004	IMPS - Sensor -1+3 Gauge HT 120 deg (2m HT cable)
XE-0050-005	IMPS - Sensor -1+3 Gauge HT 120 deg C (10m HT cable)
XE-0050-006	IMPS - Sensor 0-4 bar Absolute HT 120 Deg C (2m HT cable)
XE-0050-007	IMPS - Sensor 0-4 bar Absolute HT 120 Deg C (10m HT cable)
XE-0051	IMPS - Readout Unit - Single Channel
XE-0051-OPT-02	OPTION 02 - RS485 Output Card
XE-0053	IMPS - Readout Unit - 4 Channel
XE-0053-OPT-02	OPTION 02 - RS485 Output Card
XE-0057	IMPS - Readout Unit - 8 Channel
XE-0057-OPT-02	OPTION 02 - RS485 Output Card
XE-0059	IMPS - 10m - Ciject - Sensor Extension Lead
XE-0059-01	IMPS - 3m - Ciject - Sensor Extension Lead
XE-0059-02	IMPS - 25m - Ciject - Sensor Extension Lead
XE-0060	IMPS - 10m Sensor Lead Assembly (Readout Unit to Sensor)
XE-0060-01	IMPS - 25m Sensor Lead Assembly (Readout Unit to Sensor)
XE-0060-02	IMPS - 40m Sensor Lead Assembly (Readout Unit to Sensor)



bodotexcompositesaps

RTM Mould Ancillaries

Mould Inserts	
XA-0002	3/8" BSP mould insert
XA-0003	Mould Vent Liner
XA-0005	20mm Insert Blank
XA-0014	20mm Mould Insert
XA-1501	Injection Valve threaded mould insert
XA-1519	Injection Valve threaded metal mould insert
XA-0017	20mm metal mould insert
XA-1518	Injection Valve insert blanking plug
XA-2001	Air Ejector Insert
XA-2007	Air Ejector insert blanking plug
XA-0304	Flange vacuum fitting (geka)
XA-0311	6mm Pipe insert (nut type)
XA-0312	10mm Pipe insert (nut type)
XA-0020	Mould Location Cone
XA-0351	Vacuum Bag IMP sensor insert (for spiral)
XA-0056	Vacuum Bag IMP sensor insert (through bag)
XA-0030	IMPS Mould Insert
XA-0033	IMPS blanking plug (for XA-0030)
XA-0350	Vacuum Bag Pipe Insert (for spiral)
XA-0351	Vacuum Bag IMPS insert (for spiral)
XA-0303	Dowel Set
XA-0300	Mould Clamp Set - complete
XA-0301	Toggle Clamp
XA-0314	Complete Clamp Set and toggle clamp assembly
XA-0302	Toggle clamp handle
MP-60-0100	Vacuum Regulator & Gauge



XE-0210 Vacuum Catchpot c/w lid & quick couple connec

XE-0211 Vacuum Catchpot Assembly c/w lid

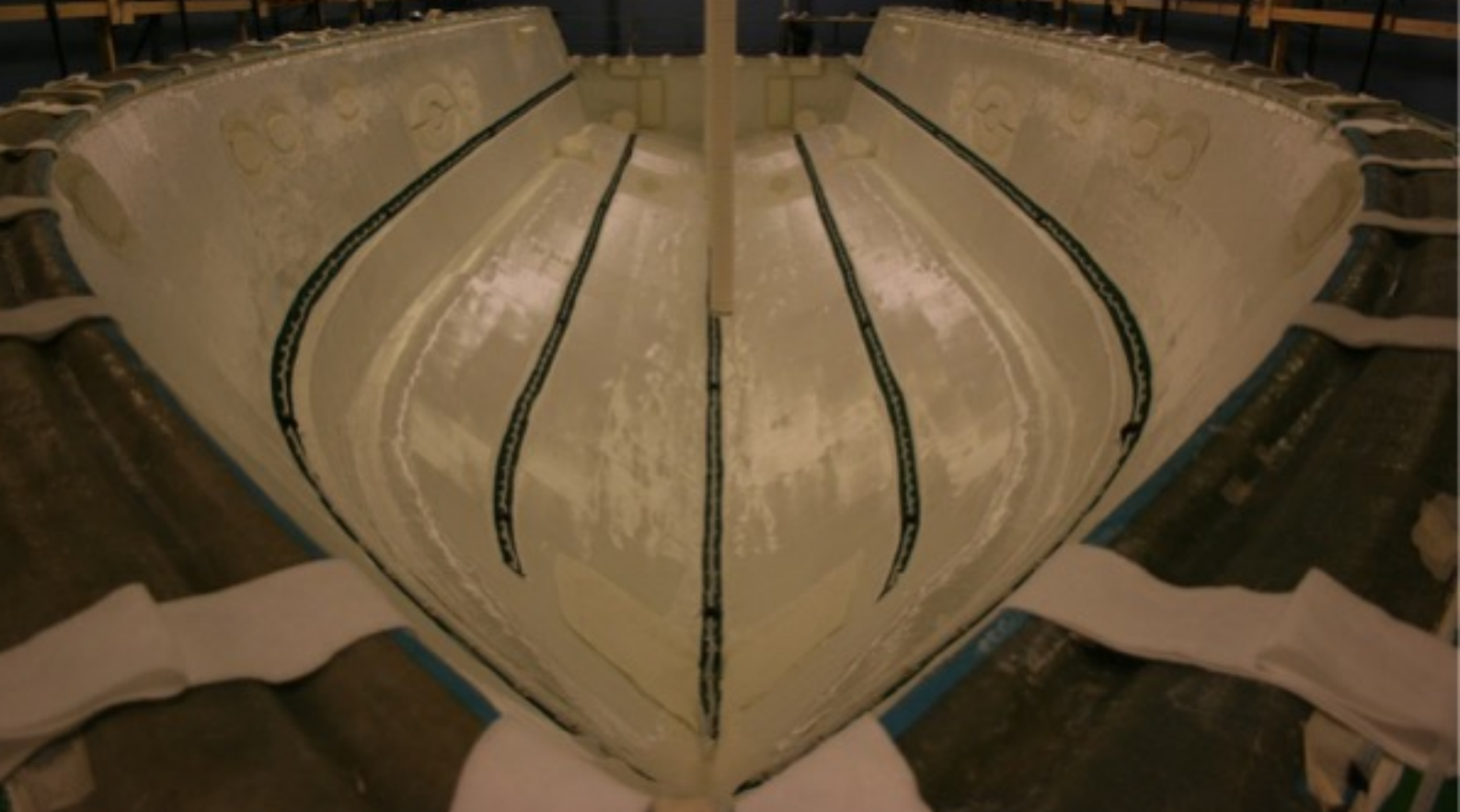
XE-0211-OPT-01	OPTION 01 - 1 x Geka
XE-0211-OPT-02	OPTION 02 - 2 x Geka
XE-0211-OPT-03	OPTION 03 - 1 x 10mm push through
XE-0211-OPT-04	OPTION 04 - 2 x 10mm push through
XE-0211-OPT-05	OPTION 05 - 4 x 10mm push through
XE-0211-OPT-06	OPTION 06 - 6 x 10mm push through
XE-0211-OPT-07	OPTION 07 - 1 x 6mm push through
XE-0211-OPT-08	OPTION 08 - 2 x 6mm push through
XE-0211-OPT-09	OPTION 09 - 4 x 6mm push through
XE-0211-OPT-10	OPTION 10 - 6 x 6mm push through
XE-0211-OPT-11	OPTION 11 - 1 x ISO B (Male)
XE-0211-OPT-12	OPTION 12 - 2 x ISO B (Male)

XE-0212 Vacuum catchpot/resin trap Lid only

XE-0212-OPT-01	OPTION 01 - 1 x Geka
XE-0212-OPT-02	OPTION 02 - 2 x Geka
XE-0212-OPT-03	OPTION 03 - 1 x 10mm push through
XE-0212-OPT-04	OPTION 04 - 2 x 10mm push through
XE-0212-OPT-05	OPTION 05 - 4 x 10mm push through
XE-0212-OPT-06	OPTION 06 - 6 x 10mm push through
XE-0212-OPT-07	OPTION 07 - 1 x 6mm push through
XE-0212-OPT-08	OPTION 08 - 2 x 6mm push through
XE-0212-OPT-09	OPTION 09 - 4 x 6mm push through
XE-0212-OPT-10	OPTION 10 - 6 x 6mm push through
XE-0212-OPT-11	OPTION 11 - 1 x ISO B (Male)
XE-0212-OPT-12	OPTION 12 - 2 x ISO B (Male)

XE-0213 Inline Resin Trap

XE-0213-OPT-01	OPTION 01 - 1 x Geka
XE-0213-OPT-02	OPTION 02 - 2 x Geka
XE-0213-OPT-03	OPTION 03 - 1 x 10mm push through
XE-0213-OPT-04	OPTION 04 - 2 x 10mm push through
XE-0213-OPT-05	OPTION 05 - 4 x 10mm push through
XE-0213-OPT-06	OPTION 06 - 6 x 10mm push through
XE-0213-OPT-07	OPTION 07 - 1 x 6mm push through
XE-0213-OPT-08	OPTION 08 - 2 x 6mm push through
XE-0213-OPT-09	OPTION 09 - 4 x 6mm push through
XE-0213-OPT-10	OPTION 10 - 6 x 6mm push through
XE-0213-OPT-11	OPTION 11 - 1 x ISO B (Male)
XE-0213-OPT-12	OPTION 12 - 2 x ISO B (Male)



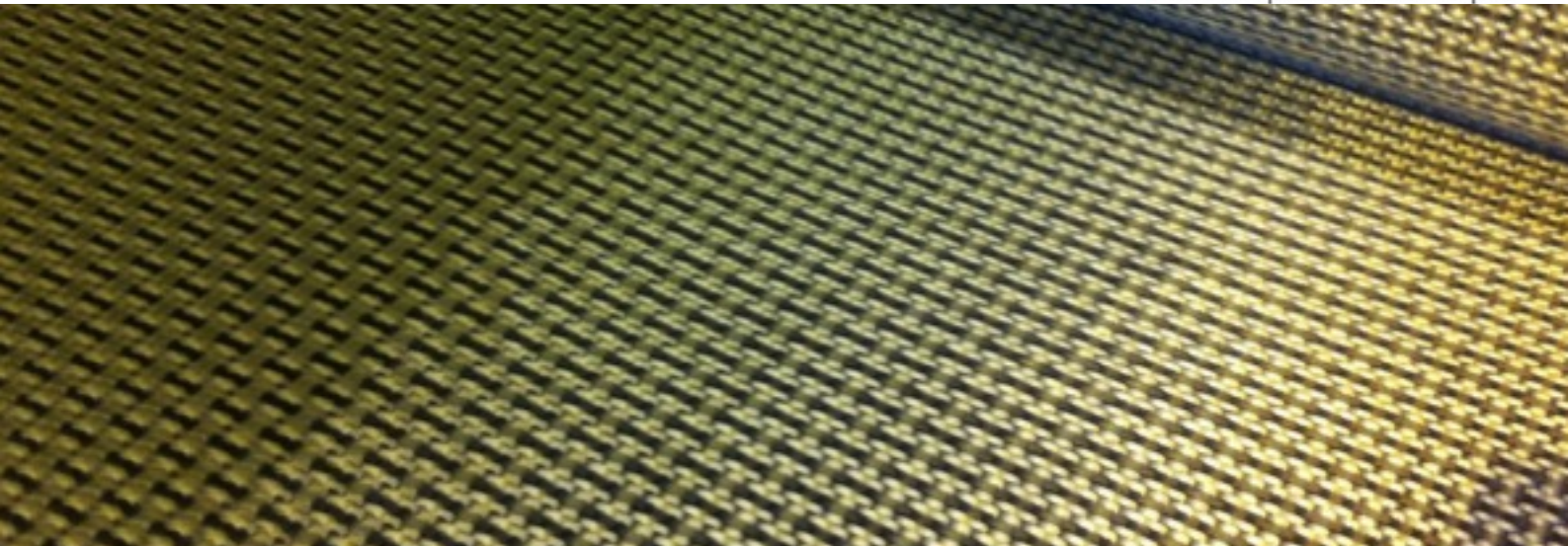
Technical Textiles

Bodotex has an ever expanding range of textiles used as Reinforcement or as processing textiles.

We offer wide range of Carbon Fibre , Hybrid , spread tow , Glass and BIO based finer range coming soon.

Glass Fiber NCF Multi-axials

NCF BX 450	450G I NCF I Bi axial +- 45 I Glass Multiaxial
NCFBX 600	600G INCF I Bi Axial +-45 I Glass Multiaxial
NCF DB 600	600G INCF I Double Biax +- 090 I Glass Multiaxial
NCF TX 900	900G I NCF I Triaxial 0,+45 I Glass Multiaxial
NCF QX1200	1200G I NCF I Quadaxial 0, 90 +-45 I Glass Multiaxial



100% Carbon Fabric 160 - 600 g /m2 Plain and Twill

Carbon Twill 160g/m2 | 3K | 1200mm wide | Toray HS3K200TEX

Carbon Twill 160g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Plain 160g/m2 | 3K | 1200mm wide | Toray HS3K200TEX

Carbon Plain 160g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Plain 200g/m2 | 3K | 1200mm wide | Toray HS3K200TEX

Carbon Plain 200g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Twill 200g/m2 | 3K | 1200mm wide | Toray HS3K200TEX

Carbon Twill 200g/m2 | 3K | 1200mm wide | Toray HS3K200TEX

Carbon Twill 280g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Twill 280g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Twill 245g/m2 | 3K | 1000mm wide | Toray HS3K200TEX

Carbon Twill 600g/m2 | 12K | 1200mm wide | Toray HS12k

Carbon Twill 420g/m2 | 12K | 1000mm wide | Toray HS12K

Carbon and Hybrid Aramide Fabric 160 - 600 g /m2 Plain and Twill

Hybrid 1:1 | Carbon Aramid | 164g/m2 | Plain | 1200mm wide | 2 Toray HS300TEX | 1 Twaron 2200 121 Tex

Hybrid 1:1 | Carbon Aramid | 164g/m2 | Plain | 1000mm wide | 2 Toray HS300TEX | 1 Twaron 2200 121 Tex

Hybrid 1:1 | Carbon Aramid | 165g/m2 | Plain | 1200mm wide | 1 Toray HS300TEX | 1 Twaron 2200 121 Tex

Hybrid 1:1 | Carbon Aramid | 165g/m2 | Twill | 1200mm wide | Toray HS300TEX | Twaron 2200 121 Tex

Hybrid 2:1 | Carbon Aramid | 175g/m2 | Plain | 1200mm wide | Toray HS300TEX | Twaron 2200 121 Tex

Hybrid 2:1 | Carbon Aramid | 175g/m2 | Plain | 1000mm wide | Toray HS300TEX | Twaron 2200 121 Tex

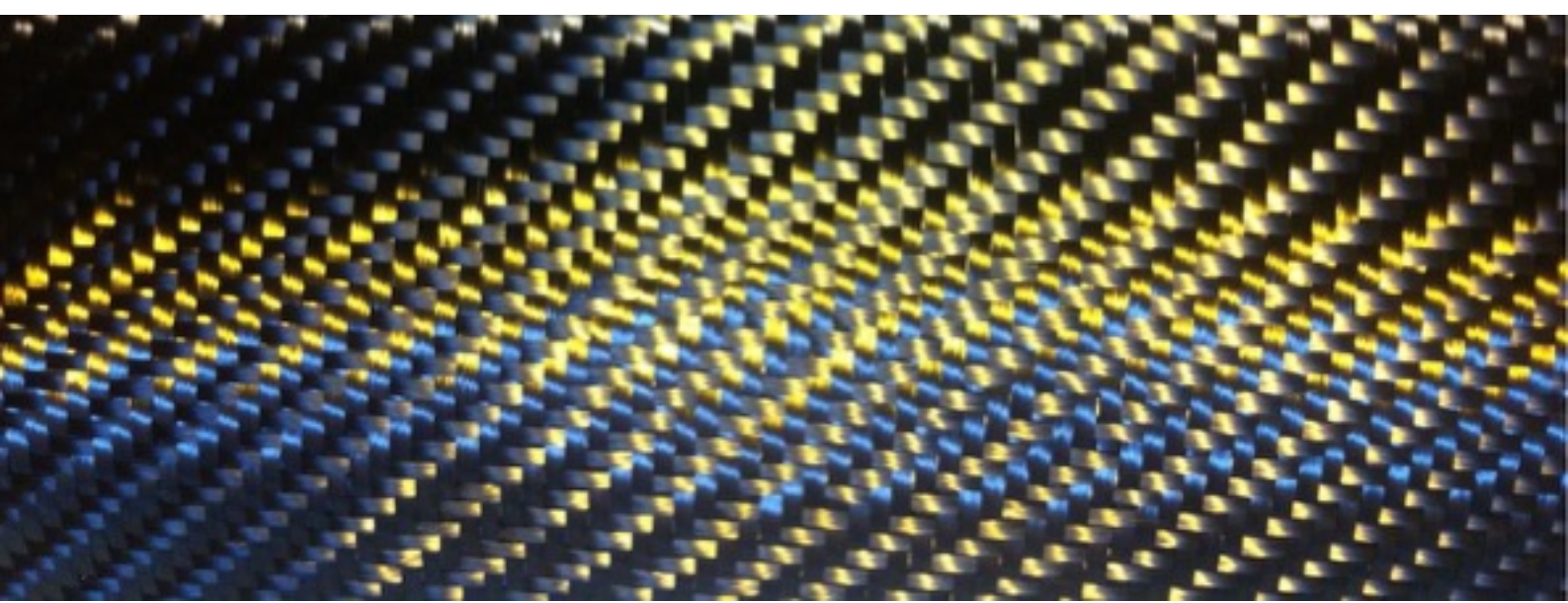
Hybrid 1:1 | Carbon Aramid | 190g/m2 | Twill | 1000mm wide | Toray HS300TEX | Twaron 2200 121 Tex

Carbon Fiber UD Tapes

605006 HPT 410 C45/1260MM WIDT

605504 Carbon Tape UD 160mm/38

605999 Carbon 0/90 -610 g/m2



Technical Textiles

Infusion process

Bodotex supports clients daily all around the globe with textiles used in composite processing . We offer wide range of Peel Ply , secondary bonding surface prep textiles , Release films and Mesh in a wide variety of tried and tested configurations



Peel Ply - Standard Application

200441	Peel Ply White With Stripes PA80 1250 1250mm Wide Max 155° Varied Length
200413	Peel Ply White With Stripes PA80 150 150mm Wide x 100 Meter Max 155°
200442	Peel Ply White With Stripes PA80 250 250mm Wide x 100 Meter Max 155°
200418	Peel Ply White With Stripes PA80 500 500mm Wide x 100 Meter Max 155°

Peel Ply - Adhesive

XXXXXX	Peel Ply w/Adhesive PA80AD 100m x 1200mm
XXXXXX	Peel Ply w/Adhesive PA80AD 100m x 1000mm
XXXXXX	Peel Ply w/Adhesive PA80AD 100m x 500mm
XXXXXX	Peel Ply w/Adhesive PA80AD 100m x 250mm
XXXXXX	Peel Ply w/Adhesive PA80AD 100m x 150mm

Peel Ply Structural Bonding

200459	Peel Ply Structural Bonding 1500 EV6 Peel Ply 1740mm
xxxx	Peel Ply Structural Bonding 1500 EV6 Peel Ply 100mm Wide Tape

Peel Ply - High Contrast Colour

200448	Peel Ply Pink with Stripes PA 90 Pink 1560 1560mm wide x 100m Max 200°
200448	Peel Ply Pink with Stripes PA 90 Pink 1560 1560mm wide x 100m Max 200°
xxxx	Peel Ply Pink with Stripes PA 90 Pink 1250 1250mm wide x 100m Max 200°
xxxx	Peel Ply Pink with Stripes PA 90 Pink 500 500mm wide x 100m Max 200°
200449	Peel Ply Pink with Stripes PA 90 Pink 250 250mm wide x 100m Max 200°

xxxx	Peel Ply Pink with Stripes PA 90 Pink 150 150mm wide x 100m Max 200°
200600	Peel Ply Yellow Flour Red Stripe PA 80 Flour 1610 1610mm Max 185°
200601	Peel Ply Yellow Flour Red Stripe PA 80 Flour 1200 1200mm x 100m Max 185°
200602	Peel Ply Yellow Flour Red Stripe PA 80 Flour 500 500mm x 100m Max 185°
200603	Peel Ply Yellow Flour Red Stripe PA 80 Flour 250 250mm x 100m Max 185°
200604	Peel Ply Yellow Flour Red Stripe PA 80 Flour 150 150mm x 100m Max 185°

Release Films

20039 9	Release Film ELA20 P3 20my 100cm X 200m Hul Folio Max 125°
20040 5	Release Film ELA20 P1 20my 100cm x 400m Hul Folio Max 125°
20040 7	Release Film ELA20 P1 20my 145cm x 400m Hul Folio Max 125°

Breather

PES 150 and 300 Available from Bodotex



Infusion Mesh

Knitted and Extruded Mesh with excellent performance and track record

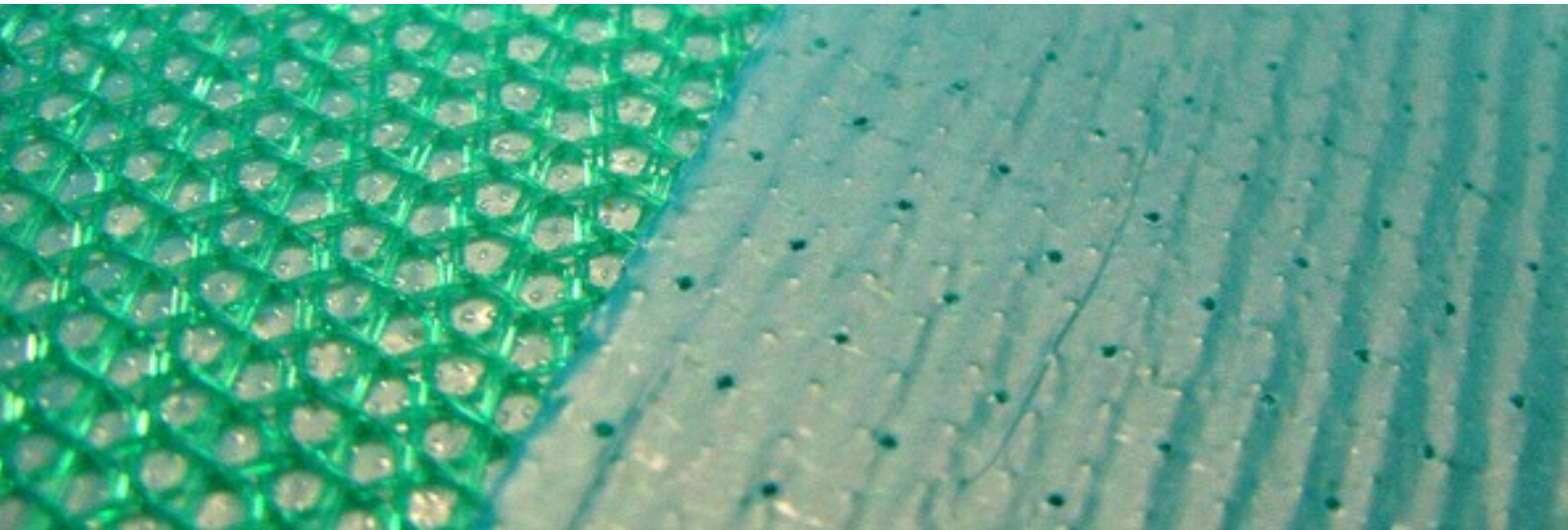
Extruded Mesh

206000	Infusion net Mesh Composit 50 Green 1200mm Wide Roll x 50 m Max 130°
200502	Infusion net Mesh DIANET 135 White / Natural 4000mm Wide Folded (2 m) x 130 m Max 200°
200503	Infusion net Mesh DIANET 135 White / Natural 100mm Wide Roll x 130 m Max 200°
XXXXXX	Infusion net Mesh DIANET 135 White / Natural 200mm Wide Roll x 130 m Max 200°
XXXXXX	Infusion net Mesh DIANET 135 White / Natural 500mm Wide Roll x 130 m Max 200°
200504	Infusion net Mesh DIANET 135 White / Natural 2000mm Wide Unfolded Roll x 130 m Max 200°

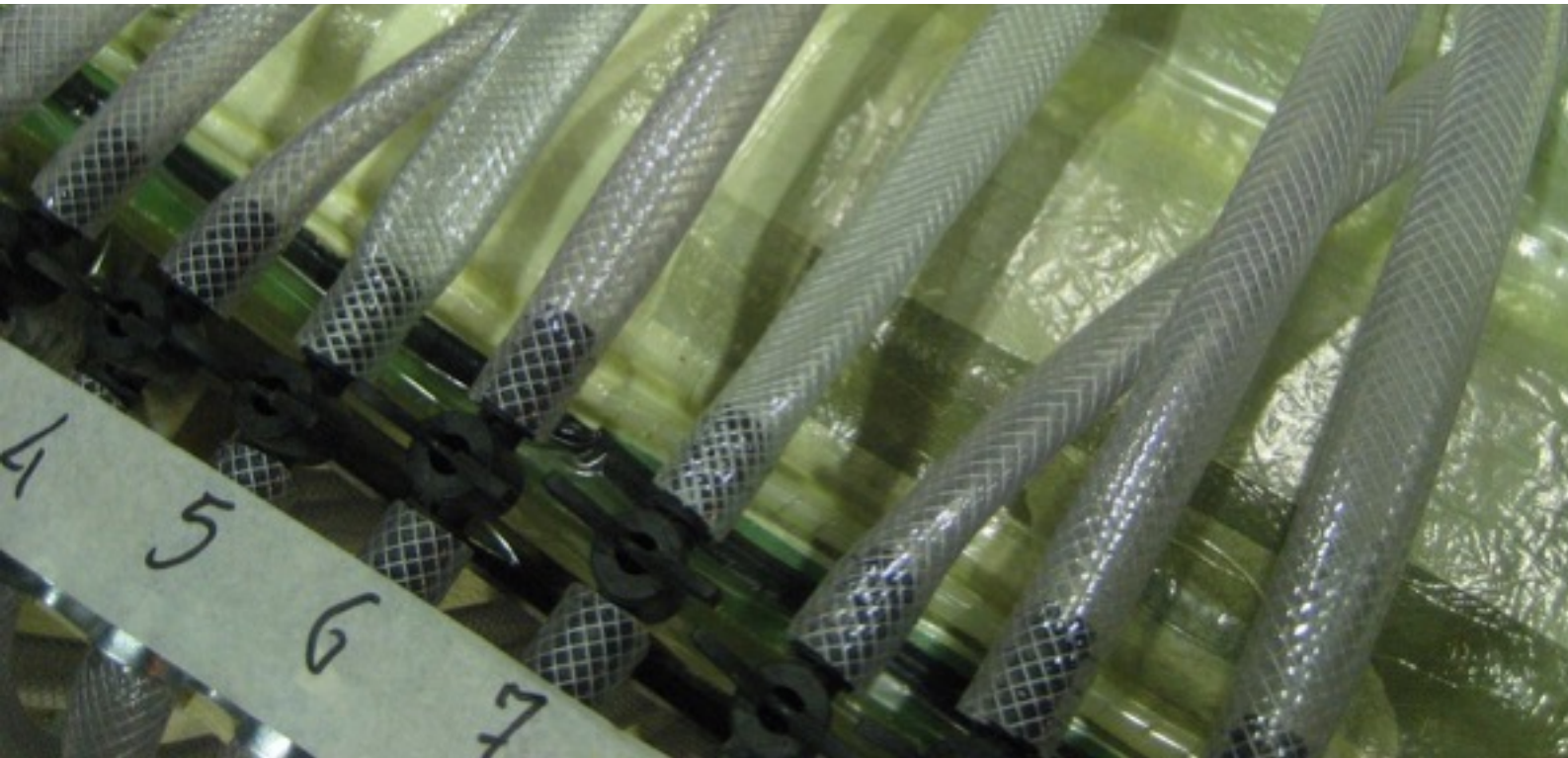


Infuplex

Infusion Complex | Knitted Infusion Mesh & Release Film Combo



200462	Infuplex Dianet 135 DI 145 White + Blue Infusion Complex Mesh High Speed Flow 1450mm Wide Max 100°
XXXXXX	Infuplex Dianet 135 DI 010 White + Blue Infusion Complex Mesh High Speed Flow 100mm Wide Max 100°
200470	Infuplex Dianet 135 DI 029 White + Blue Infusion Complex Mesh High Speed Flow 290mm Wide Max 100°
200463	Infuplex Isonet 1450 Blue Infusion Complex Mesh Medium Speed Flow 1450mm Wide Max 100°
XXXXXX	Infuplex Isonet 350 Blue Infusion Complex Mesh Medium Speed Flow 350mm Wide Max 100°
XXXXXX	Infuplex Isonet 250 Blue Infusion Complex Mesh Medium Speed Flow 250mm Wide Max 100°
XXXXXX	Infuplex Isonet 180 Blue Infusion Complex Mesh Medium Speed Flow 180mm Wide Max 100°
200464	Infuplex Flonet 1450 Yellow Blue Infusion Complex Mesh Very High Speed 1450mm Wide Max 100°
200464	Infuplex Flonet 1450 Yellow Blue Infusion Complex Mesh Very High Speed 1450mm Wide Max 100°
XXXXXX	Infuplex Flonet 0100 Yellow Blue Infusion Complex Mesh Very High Speed 100mm Wide Max 100°
200475	Infuplex Flonet 029 Yellow Blue Infusion Complex Mesh Very High Speed 290mm Wide Max 100°
200465	Infuplex OM70 1450 Green Blue Infusion Comple Mesh Speed 1450mm wide Max 100°
XXXXXX	Infuplex OM70 720 Green Blue Infusion Comple Mesh Speed 720mm wide Max 100°
XXXXXX	Infuplex OM70 PA 1500 High temp Green White Infusion Comple Mesh Speed 1500mm wide Max 200°
200502	Infusion net Mesh DIANET 135 White / Natural 4000mm Wide Folded (2 m) x 130 m Max 200°
200503	Infusion net Mesh DIANET 135 White / Natural 100mm Wide Roll x 130 m Max 200°
XXXXXX	Infusion net Mesh DIANET 135 White / Natural 200mm Wide Roll x 130 m Max 200°
XXXXXX	Infusion net Mesh DIANET 135 White / Natural 500mm Wide Roll x 130 m Max 200°
200504	Infusion net Mesh DIANET 135 White / Natural 2000mm Wide Unfolded Roll x 130 m Max 200°



Vacuum Infusion Consumables

Bodotex Composites has developed a complete system for Vacuum-injected casting, which is used world wide for the production of windmill-wings. Producers i Europe, Asia, US and South America have found the system to be ideal and reliable.

Well-known shipyards like Luffe Yachts (DK) and Baltic (FIN) have chosen the vacuum-injecting system from Bodotex Composites.

Bodotex Composites has a wide range of original content consumables designed and developed for under the bag infusion processes.

Vacuum Bagging Films

705004	Bagging Film Vacuum Folio VB75	2m x 200m, 400m2	75 my	Max 125°
705008	Bagging Film Vacuum Folio VB75	3m x 200m, 600m2	75 my	Max 125°
705001	Bagging Film Vacuum Folio VB75	4m x 200m, 800m2	75 my	Max 125°
705009	Bagging Film Vacuum Folio VB75	5m x 200m, 1000m2	75 my	Max 125°
705002	Bagging Film Vacuum Folio VB75	6m x 140m, 840m2	75 my	Max 125°
705005	Bagging Film Vacuum Folio VB75	8m x 105m, 840m2	75 my	Max 125°
705007	Bagging Film Vacuum Folio VB50HD	6m x 105m, 630m2	50 my	Max 125°
200422	Bagging Film Vacuum Folio PO120	10m width	80 my	Max 120° PE
200420	Bagging Film Vacuum Folio PO120	12m width	80 my	Max 120° PE

Sealant Tapes | Tacky Tapes

910000	Sealant Tape Bodoseal 115B Max 95° High Tack Black 9,5mm x 2,8mm x 15M 30 Rolls/Box
910001	Sealant Tape Bodoseal 120B Max 95° Medium Tack Black 9,5mm x 2,8mm x 15M 30 Rolls/Box
200425	Sealant Tape SM 5127 High Temp Max 205° Black 12,7mm x 7,62mm x 40 Rolls/Box
LSM700	Sealant Tape LSM 700 Max 210° Soft Tack High Temp Yellow 12mm x 3mm x 12,5m 16 roll per box
LSM520	Sealant Tape LSM 5200 Max 140° Medium Tack Black 12mm x 2,5mm x 15m 10 rolls per box

Spiral Flex Range

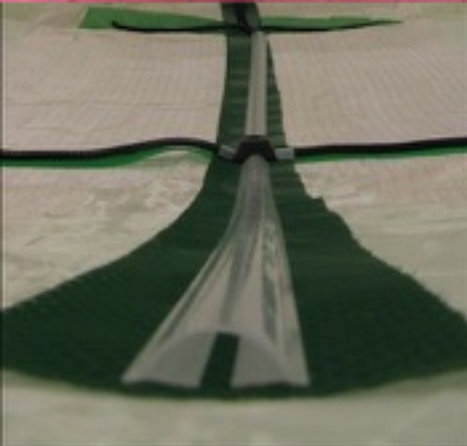
710005	Spiral Flex SP 6 Black Ø6mm x Ø8 mm PP 50 Meter Bag
710007	Spiral Flex SP 9 Natural Ø9mm x Ø12mm PP 25 Meter Bag
710004	Spiral Flex SP 12 Natural Ø12 mm X Ø14,6mm 100meter Bag
710013	Spiral Flex SP 14 Natural Ø14mm x Ø16.7mm PP 100meter Bag

HDPE Pipe Range

710008	Injection/ Vac Line Pipes HDPE 6 Ø6mm x Ø8mm PE /PP Hose 25 m Per Roll
710009	Injection/ Vac Line Pipes HDPE 8 Ø8mm x Ø10mm PE /PP Hose 25m Per Roll
710010	Injection/ Vac Line Pipes HDPE 10 Ø10mm x Ø12mm PE /PP Hose 25m Per Roll
710011	Injection/ Vac Line Pipes HDPE 12 Ø12mm x Ø14,5mm PE /PP Hose 25m Per Roll
710012	Injection/ Vac Line Pipes HDPE 14 Ø14mm x Ø16,7mm PE /PP Hose 25m Per Roll

Reinforced PVC Piping Non Collapse

26002	REINFORCED PVC HOSE 1/2" Clear High Volume Injector / Vac Pipe Ø12mm x Ø19mm x 30 Meter / Roll
26003	REINFORCED PVC HOSE 3/4" Clear High Volume Injector / Vac Pipe Ø19mm x Ø26mm x 30 Meter / Roll



Inlet Technology from Bodotex

Non Spiral Flex based under the bag inlet options for High Volume or low print

600001	IB - 80 Infusion Box 80mm x 80mm x 25mm 50 gram/l
600002	IB - 80 Infusion Box 80mm x 80mm x 25mm 150 gram/l
202001	Connecting Profile CP50 / 100mm
202007	Infusion Profile IP50, 4m, packed 104 m
200551	Diadrain 50 Flat Resin Channel / Vaccum Line 50 mm x 100 M
200552	Diadrain 100 Flat Resin Channel / Vaccum Line 100mm wide x 100m
200540	Spiralnet OM70 Elevated Resin Channel Ø12mm x Ø14mm Bag of 100m

Valves | Taps

200200	Valve Ø10mm ACIV-10PP Bag 25 Stk
200201	Valve Ø16mm - ½ " ACIV-16 PP Bag 25 Stk
200202	Valve 20mm - ¾ " ACIV-20PP Bag 25 Stk



Fittings and Connectors

200001	T Connector ø10mm ACIT10PP Bag 50 stk
200002	T Connector ø16mm ACIT16PP Bag 50 stk
200003	T Connector ø20mm ACIT20PP Bag 50 stk
200004	T-Reduction Ø16mm to Ø10mm ACITR16-10PP Bag 50 Stk
200005	T-Reduction Ø20mm to Ø10mm ACITR20-10PP Bag 50 Stk
200006	T-Reduction Ø20mm to Ø16mm ACITR20-16PP Bag 50 Stk
200050	L Connector Ø10mm 90° Bend ACIL10PP Bag 50 Stk
200051	L Connector Ø16mm 90° Bend ACIL16PP Bag 50 Stk
200053	L Connector Ø20mm 90° Bend ACIL20PP Bag 50 Stk
200055	I Connector Ø10mm Ø10-Ø10 ACII10PP Bag 50 Stk
200056	I Connector Ø16mm Ø12-Ø12 ACII16PP Bag 50 Stk
200057	I Connector Ø20mm Ø19-Ø19 ACII20PP Bag 50 Stk
200059	I- Reduction Ø20mm to Ø16mm ACIR20-16 Bag 50 Stk
200060	I- Reduction Ø16mm to Ø10mm ACIR16-10 Bag 100 Stk
200063	I Connector to 3/4 Thread Ø19mm Hose to 3/4 thread ACII20-3/4PP Bag 50 Stk
200070	I Connector to 3/4 Thread Ø16mm Hose to 3/4 thread ACII16-3/4PP Bag 50 Stk
XXXXXX	I Connector to 3/4 Thread Ø16mm Hose to 3/4 thread ACII16-3/4PP Bag 50 Stk
200099	L Connector to 3/4 Thread Ø10MM Hose to 3/4 Thread 90° Bend

Spray Adhesives



INFUTAC is an infusion adhesive specifically designed to hold reinforcing fibers in place

INFUTAC is designed to hold fabrics (glass, aramid, carbon or peel ply), pads and similar types of dry materials to themselves or onto mould surfaces during resin infusion, vacuum moulding or RTM. Most importantly, INFUTAC will not interfere with the curing process of vinyl esters, polyesters or epoxy* resins

In fact, the adhesive is designed to ultimately become part of the polymer matrix

Bodotex CCS

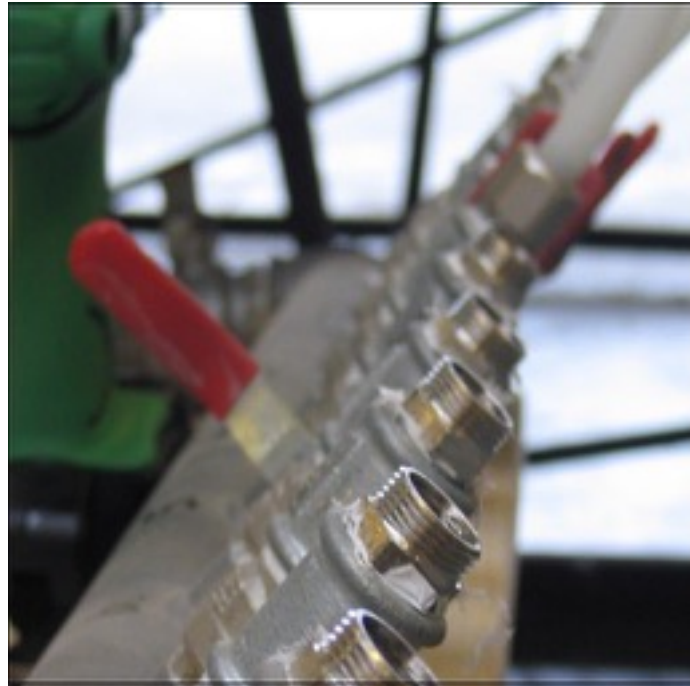
Composite Consultancy Services

Bodotex Composites offers consultancy services and guidance, in particular, regarding the development of VARTM and RTM light processes, in epoxy process equipment and development of customised epoxy types. We can also offer assistance and guidance for mould design and help find the expertise required for each task.

We have many years' experience in the production of composite items, large and small. At major and long-term tasks, the task is usually described in cooperation with the customer after which the task is carried out based on the service agreed.

We would like to hear about your challenges and would like to help meeting them, through either ordinary assistance and guidance or in agreed consultancy services, for example studies of floating fronts for vacuum moulding.

We have excellent facilities available, in particular for the vacuum process



Exclusive-Agency Partnerships

Bodotex has agency representation for some key products



Diatex | Composite Integration Uk

www.bodotex.dk

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