

WE THINK INNOVATION

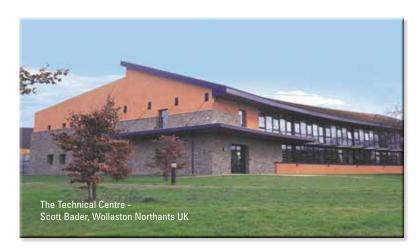
Ancillary & Reinforcements

Quality products & materials you can rely on from Scott Bader





Scott Bader was established in 1921 and today we are a €225 million global chemical company, employing over 600 people worldwide. With manufacturing sites located around the world including our new ventures in Canada and India, we manufacture, sell and distribute a wide range of synthetic resins and polymers to many different markets and have built a reputation for innovation, quality and excellent customer service.







Leading suppliers of ancillaries and reinforcements

Over 60 years experience of supplying to markets such as:

- Marine
- Building & construction
- **■** Transport
- Chemical containment
- Wind energy
- Pipes and re-lining
- General industrial

Experts in a range of processing techniques:

- Brush/Spray
- RTM
- RTM light
- Vacuum infusion

Our warehouse...

- Warehouse capacity of 112,000 ft²
- 5250 storage locations
- Over 9000 product lines
- Average of 1500 pallets handled per day

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GLASS REINFORCEMENTS





Chopped strand mat (CSM)

PRODUCT DESCRIPTION

- E-Glass randomly chopped strand mat
- For use in hand lay-up and continuous lamination
- Compatible with unsaturated polyesters (UP) and vinyl esters (VE) for the production of transparent panels, marine, automotive and general parts production

CHARACTERISTICS

- Consistent quality, thickness and stiffness
- Rapid wet out and air release
- Excellent formability for small radius moulds
- Good mechanical properties

Available as emulsion or powder bound in 300g, 450g, 600g and 900g/m $^{\rm 2}$



Spray roving

PRODUCT DESCRIPTION

- Suitable for general purpose spray up applications
- Compatible with unsaturated polyesters (UP) and vinyl esters (VE)
- Silane sizing



CHARACTERISTICS

- Consistent roving density
- Low static and low fuzz
- Consistent roving stiffness for superior dispersion and chopping
- Rapid wet out and good mould conformability
- Product offers good physical and chemical performance
- Can also be used for filament winding or panel manufacturing
- Supplied in either 48 roll or 64 roll pallets
- Could be supplied as creel pack (of joined cheeses)



Woven roving

Standard glass woven rovings stocked are plain weave and suitable for use with all types of unsaturated polyester resins. Other weaves styles and widths can be supplied on request, subject to minimum order requirements. Applications: Used extensively in composite parts, particularly in marine.

MD0076A0000	Woven roving 300g 100cm
MD0077A0000	Woven roving 360g 100cm
MD0078A0000	Woven roving 600g 100cm
MD0079A0000	Woven roving 800g 100cm



Woven roving glassfibre tapes

- 170 g/m², open weave tapes used to join laminates
- Woven edge produces clean, neat finish

Specialist tapes and fabrics are available on request



Surface tissue

Based on "C" glass, these materials have styrene soluble binders and are widely used for overlaying chopped strand mat laminates. Shiny side up, it produces a smoother finish and a resin rich surface for certain areas that require chemical resistance.

- Abrasion resistance
- Corrosion resistance
- An optically smooth surface
- Mechanical resistance



Chopped strands

For use in compounding thermoplastic resins, BMC applications and compatible with thermoplastic and thermoset resins. Also for use in repairs and gap filling.

Available in:

- 6mm or 12mm staple lengths
- Other lengths available to special order

Standard size: 20kg bags



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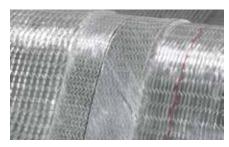


METYX® have been producing high quality textiles for almost 60 years.

The company vision is driven by customer needs. Recognising the desire for stronger, lighter structures, and more competitive end-products in various industries, METYX was founded to provide the composites arena with the high performance reinforcement materials and the custom solutions needed to achieve a leading edge in today's challenging marketplace. METYX is proud of its worldwide reputation for state-of-the-art technology, diverse product offerings, custom services, and its commitment to excellence.

WHY CHOOSE METYX?

- Manufacturing expertise
- Prestigious customer base
- Financial strength
- Strong commitment to research and development









METYCORE RTM

The METYCORE product group is specially designed for RTM and light-RTM processes. METYX offers a range of core materials designed to fit your tooling requirements, including high drapeability for complex parts and high resin flow for large-scale applications. Building on the METYCORE product benefits, METYCORE MAX has an engineered core that works to deliver maximum resin flow and speed of moulding in L-RTM and RTM applications. It is ideal where highly filled resin systems are needed.



WHY CHOOSE METYCORE?

- High drapeability
- Excellent resin flow
- Wide product range
- Custom widths

Available selection of products

Product Code	Product Description
MJ0152A0000	Metycore 300M/180PP1/300M 95cm
MJ0114A0000	Metycore 300M/180PP1/300M 127cm
MJ0151A0000	Metycore 300M/250PP1/300M 127cm
MJ0111A0000	Metycore 450M/180PP1/450M 127cm
MJ0153A0000	Metycore 450/180PP1/450/80V 127cm - veil
MJ0110A0000	Metycore 450M/250PP1/450M 127cm
MJ0113A0000	Metycore 600M/180PP1/600M 127cm
MJ0112A0000	Metycore 600M/250PP1/600M 127cm
MJ0115A0000	Metycore 900M/250PP1/900M 163cm
MJ0137A0000	Metycore Max 450M/HFD1/450M 163cm
MJ0137B0000	Metycore Max 600M/HFD1/600M 160cm

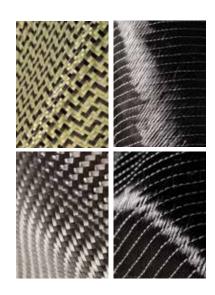
For more products please contact our Sales team.

Carbon reinforcement

Multiaxial stitched and woven carbon fabrics deliver the superior strength, lightweight properties and speed your high-end applications require. We are a reliable, long-term source for top quality carbon fabrics and customized solutions.

Product Range:

- Unidirectional
- Biaxial
- Triaxial
- Quadraxial
- Wovens
- Hybrids



Peel ply

METYX introduces its peel ply product range used to give texture to the surface of high-performance composites laminates. It is 100 percent polyamide, washed, scored and heat fixed. Peel ply significantly improves adhesion in secondary bonding or painting of the laminate surface and avoids any sanding or abrading of the surface in preparation for these processes. It is an easy way to decrease cost, increase productivity and produce high quality parts with a smooth surface finish.

Available in 200mm, 250mm, 300mm, 500mm or 1000mm width x 100m length





Unidirectional fabric tape

A unidirectional (UD) fabric tape contains the majority of the fibres in one direction only. In order to add stability to the dry reinforcement, a small amount of fibre (5-6%) can be added in the perpendicular direction (i.e. if the UD is a 0° type then the addition would be on the 90° direction). UD tapes are mainly used in localised reinforcement.

50mm x 88m Roll	ME0021A0000
75mm x 88m Roll	ME0021B0000
100mm x 88m Roll	ME0021C0000
150mm x 88m Roll	ME0021D0000

Available in 600g/m²

Specialist tapes and fabrics are available on request

Fiber Layers in Basic Orientations





Multiaxial reinforcements

Multiaxial reinforcements are engineered fabrics consisting of one or more layers of unidirectional fibres. These layers are held in place by a non-structural stitching thread, which is generally a polyester yarn. In addition to multiple layers of fibres, a surfacing veil and/or a chopped strand mat layer can be added to the multiaxial fabric construction. Multiaxial reinforcements enable composites producers to create stronger, lighter laminates, with relatively higher mechanical properties. These layers are held in place by a non-structural stitching thread, which is generally a polyester yarn.

WHY CHOOSE MULTIAXIAL REINFORCEMENTS?

- Increased mechanical properties
- Reduced weight of end-product
- Design flexibility
- Lower resin consumption
- Faster and easier wet-out
- Improved surface quality
- Reduced lay-up time
- Reduced labour costs
- Increased output

Chopped Strand Mat

The ents terr

The ess.

Yell / Non-Woven

Stitching (Knitting) Pattern

Quadriaxials in a variety of grades.

Range is extensive including biaxials, triaxials and quadriaxials in a variety of grades. Please enquire for details.

CORE MATERIALS

MYcell HYcell

MYcell and HYcell are rigid PVC foams with high mechanical characteristics. The foam is available in different densities for an efficient use as a core in sandwich technologies. It complies with most resins used in composite production.

Suitable Applications include:

- Windmills
- Boat industry
- Building industry
- Transportation

Properties

- Excellent mechanical properties
- High temperature resistance
- High resistance to chemical agents
- Thermal & acoustic insulation
- Low water absorption
- Self-extinguishing



Temperature Resistance

- MYcell temperature resistant to 90°C
- HYcell temperature resistant to 130°C

Finish options

- Plain sheets
- Scrim cloth
- GroovedPunched
- Flex

Available densities:

MYcell: 40, 48, 60, 80, 100, 130, 160 & 200kg/m³

HYcell: 60 & 80kg/m³

LYcell

LYcell is a rigid PVC foam made from recycled material. With high mechanical characteristics, LYcell foam is available in different densities for an efficient use as a core in sandwich technologies. It complies with most resins used in composites production. Can be used in the same applications as MYcell and HYcell.

Properties

- Excellent mechanical properties
- High temperature resistance
- High resistance to chemical agents
- Thermal & acoustic insulation
- Low water absorption
- Self-extinguishing

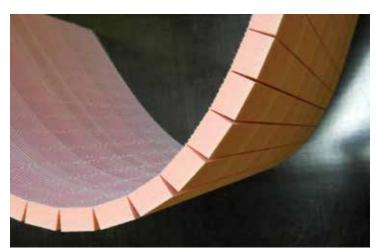
Temperature Resistance

LYcell temperature resistant to 90°C

Finish options

- Plain sheets
- Scrim cloth
- Grooved
- Punched
- Flex





Available densities: 40, 60, 80, 100 and 130 kg/m³





MATLINE[™] **Plus**

Is currently used as a core material or as a sub/layer in many applications: swimming pools, boats and yachts, wind mills, trailers and many more. Available in thickness from 1 to 5 mm, perforated or non-perforated form. Working with MATLINE ™ Plus requires no special tools or skills as it is easily molded into any shape.

WHY CHOOSE MATLINE?

- Better dry drapability
- Reduction of resin consumption of 15-20 %
- Better adherence on vertical application (marine)
- Weight and cost reduction improving rigidity and impact resistance
- Better cosmetics acting as a print through blocker

Typical Data MATLINE ™ +		101N	201N	301N	401N	501N
		CM0001A0000	CM0002A0000	CM0003A0000	CM0004A0000	CM0005A0000
Roll length	lm	100	80	50	40	30
Roll width	cm	100	100	100	100	100
Dry weight	g/m²	55	70	110	140	185
Dry thickness	mm	1.4	2	3	4	5
Resin consumption	kg/m²	0.77	1.1	1.65	2	2.5

PU foam sheets

Kingspan CFC/HCFC-free rigid polyurethane insulation is a lightweight insulation materia with a high strength to density ratio, good dimensional stability and excellent mechanical characteristics.

PU foam sheets are suitable for a wide range of applications, namely:

- Insulated panels & composites
- Temperature & hygiene controlled environments
- Bodywork & refrigerated vehicles

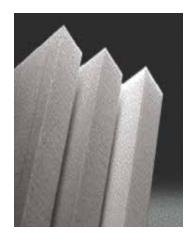


HIGH PERFORMANCE INSULATION

This is a thermoset material - it does not melt or produce flaming droplets when exposed to fire. The type of application and facing material used should be considered in assessments of fire performance.

Available thickness: 10mm - 100mm Standard sheet size: 2400mm x

1200mm



Structural end-grain & rigid Balsa

Balsa is produced from small rectangles of end grain Balsa with a glassfibre scrim backing that retains the panels' integrity while allowing sufficient flexibility to conform to compound curves.

Balsa is supplied in 2' \times 4' panels with thickness from 1/4" to 2".

- Outstanding strength and stiffness to weight ratio
- Excellent fire characteristics
- Very good chemical and thermal resistance
- Ecological product
- Easy to work with using conventional woodworking tools
- Can be sawn/cut to shape, and drilled
- Can be used in hand lay-up, vacuum bag and infusion applications
- Also suitable for elevated temperature cure prepreg systems

Applications: structures subjected to static or dynamic loads, high temps or fire requirements



Available in:

- Scrim & knife cut
- Scrim, knife cut & surface coated
- Rigid balsa sheets

WEST SYSTEM EPOXY

A selection of the best sellers from the West epoxy range.

West system 105/205

Standard 2 part epoxy system (105 resin and 205 hardener) wets out and bonds with wood fiber and glassfibre reinforcements. Rapid gel and room temperature cure.

"A" pack 1.2kg: EP0001A0000
"B" pack 6kg: EP0004A0000
"C" pack 30kg: EP0009A0000
"E" pack 270kg: EP0018A0000



West system 105/206

As 105/205 but has a longer pot life hardener.

"A" pack 1.2kg: EP0001B0000 "B" pack 6kg: EP0004B0000

Pro-set epoxy 125/226

Low viscosity epoxy laminating system for use with glassfibre, kevlar or carbonfibre reinforcements. 30-40 minute gel time at 25° C. Room temperature cure.



CLEANING PRODUCTS

Acetone

Pure acetone used to clean uncured resin from brushes, tools and equipment. Virgin acetone to BS 509

5 ltrs: \$00005B00

5 Ltrs: \$00005B0000 25 Ltr kegs: \$00006C0000 205 Ltr drums: \$00006A0000



Clean and protect

The specialist formulation includes poly-beads for easy removal of uncured resin from the skin.

Kleenall paste 1L, 5L Kleenall protect 600ml



Swipex

Heavy-duty wipes impregnated with a liquid formula for removing uncured resin/topcoat from hands, tools and general hard surfaces.





PREPARATION PRODUCTS

G4 sealant

G4 seal damp out of concrete, brick, stone and wood with a non-porous plastic coating that is hard wearing, tough but flexible. Being moisture cured it can be applied in poor conditions, down to 0° C and in high humidity.

Features

- Easy to use
- Tough flexible coating
- Seals walls & floors
- Seals moisture out from moulds prior to laying up glass fibre 1kg will cover approximately 6m² (single layer)
- Improves the bond of GRP to metal and/or wood

Thermometer

Infrared thermometer with laser alignment to accurately measure the surface temperature of the roof. Allows calculation of correct level of catalyst addition needed for your working conditions.



T00364A0000

Crystic glosscoat

A spray applied rapid curing material can be used to surface crystic primecoat where a harder, glossier and more durable surface is required.

5kg C10130B0000



Crystic primecoat

A spray applied high build rapid curing primer for surfacing patterns. It is very quick and easy to abrade and can be polished to a gloss good enough for many applications.

5kg C10024B0000 25kg C1002410025

MW solution

A wax solution added to resins and gelcoats at the rate of 2% where a completely tack free suface is required.

450q SP0009A0000 SP0009B0000 4Kg B7103410020 20Kg





Liquid PU foam

Part 1 & 2 are thoroughly mixed 1:1 by volume to produce a rigid foam of approx 42 kg/m³. It expands very rapidly to approximately 20 times by volume and is used in general gap filling applications. This product is CFC and HCFC free.

PU0006A0001 Part 1 1kg: Part 1 5kg: PU0006B0005 PU000610025 Part 1 25kg: Part 2 1kg: PU0008A0001 Part 2 5kg: PU0008B0005 PU000810025 Part 2 25kg:



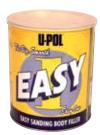


FILLERS

U-POL EASY ONE®

Very easy sanding polyester body filler ideal for larger repairs. Pinhole free and exceptionally easy to sand even the next day.

3.5 Ltr (Grey) FL0005A0000



Gelcoat filler

A specially blended low slump gelcoat repair material. Simply add the hardener, stir, fill the prepared area, leave to harden and rub down. Can be mixed with pigment paste, or overpainted.

SP0007A0001 Strand gelcoat filler 500g

U-POL P38

A 2-component polyester filler paste designed to repair damaged body panels on vehicles. Can be used to fill either minor scratches or serious dents.

P38 3.5 Ltr FL0029A0000



Filler powder

A magnestic talc powder used in polyester resins to reduce exotherm in casting applications.

Filler Powder 25Kg Bag FL0001A0000

U-POL B

Polyester body filler reinforced with glass-fibre strands. Can be used to fill small holes or rips in vehicle bodies benefits forms a strong hard repair.

Available in 1.1ltr & 1.85 ltr



Iron silicate grit



GRADE	SIZE RANGE	PROFILE
3	0.2 - 1.70mm	Medium

FL0036A0000

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AkzoNobel has a long history in organic peroxides, starting with benzoyl peroxide for the bleaching of flour in the early 1920s. Today, they are the world's top producer of organic peroxides for the curing of thermoset resins, coatings and specialty monomers. They cover classes such as ketone peroxides, diacyl peroxides, peroxyesters, peroxyketals, hydroperoxides and peroxy(di)carbonates. These products are marketed under well-known trademarks such as Butanox®, Cyclonox®, Trigonox® and Perkadox[®]. They are always striving for the right solution and offer a whole range of auxiliary products, such as accelerators and promoters, to meet customers' specific production requirements.





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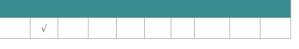
METHYL ETHYL KETONE PEROXIDES (MEKPs)					
Butanox M-50	Standard, general purpose. Low water content - ideal for gelcoats / marine				
Butanox M-50 VR	Vanishing red version of M-50				
Butanox HBO-50	Much faster geltime version of M-50				
Butanox LA-IN	Slower geltime version of M-50				
Butanox LPT-INVR	Vanishing Red. Much slower geltime version of M-50. Ideal for Filament winding				
Butanox P-50	Geltime as M-50 but faster cure. Perfect for gelcoats				
Trigonox 249VR	Lower exotherms than standard MEKP's - good in hot weather. App's include cast polymer & laminates				

CYCLOHEXANONE PEROXIDES					
Cyclonox LE-50	More gradual cure and lower peak exotherm than M-50				

DI-BENZOYL PEROXIDES						
Perkadox CH-50X	BPO powder. 50% peroxide in free-flowing form. Powder form					
Perkadox CH-50L	As CH-50X but used where high clarity transparancy is needed. Powder form					
Perkadox L-40RPS	Phthalate-free 40% low viscous sprayable suspension					
Perkadox L-W40SN	Phthalate-free 40% BPO water based sprayable version					
Perkadox BM-50LS	Standard BPO-paste. 50 % peroxide					
Perkadox BM-50LS Red final	A red coloured version of BM-50LS					
Perkadox BM-50R	Standard BPO-paste. 50 % peroxide					
Perkadox CH-34RP	BPO powder in filler. Unrestricted on transportation - not classed as dangerous goods					

OTHER PEROXII	DES
Trigonox 44B	Liquid AAP gives similar gel time to Butanox M-50 with much faster cure
Trigonox 61	Liquid AAP giving faster cure than Butanox M-50 but slower than Trigonox
Trigonox 524	Liquid peroxide for RTM if longer gel times and very rapid cure is needed
Trigonox 239	Liquid Cumene Hydroperoxide for curing vinyl ester resin in combo with a cobalt accelerator
Trigonox 42S	Suitable for curing Hot Press Mouldings at 120° – 170°C
Trigonox C	Aromatic Perester for curing Hot Press Mouldings at 120° – 170°C. Also suitable for curing UP resins in combination with a cobalt accelerator at temperatures above 70°C
Trigonox 63	Suitable when shorter demould time than Butanox M-50 is needed but high peak exotherm of Trigonox 44B is not acceptable
Trigonox 75	Medium reactive MEKP, with reduced peak exotherm
Trigonox 269	AAP/perester with efficient cure
Trigonox 93	Trigonox C with promotor
Trigonox 21S	Needs transport and storage below 20°C. Used for hot press moulding & pultrusion
Perkadox 16	Needs transport and storage below 20°C. High reactive percarbonate. Pultrusion. Powder form

Ambient Temperature			Elevated Temperature				High Temperature	Special Resins
Hand lay-up and Spray-up	Resin Transfer Moulding RTM	Gelcoats	Filament Winding	Resin Transfer Moulding RTM	Gelcoats	Continuous Laminating	Pultrusion	Vinylesters
√	√	√	√		V	√		√
√	√	√	√		V	$\sqrt{}$		$\sqrt{}$
√	√	√				$\sqrt{}$		
√	√	√	√			$\sqrt{}$		$\sqrt{}$
√	√	V	√		V			$\sqrt{}$
√	√	√	√		V	$\sqrt{}$		$\sqrt{}$



√	√			√	√
V	V			√	√

$\sqrt{}$	$\sqrt{}$	V				$\sqrt{}$		
$\sqrt{}$	√	V	√			$\sqrt{}$		
				$\sqrt{}$		$\sqrt{}$		
								V
							$\sqrt{}$	√
							$\sqrt{}$	V
$\sqrt{}$	\checkmark		V			$\sqrt{}$		
√	√		V					
			V	√		V		
				√	√	V	V	V
							$\sqrt{}$	V
							√	V



Scott Bader catalysts

Catalyst M	General purpose catalyst. Low water content. Available in 100g,
	500g and 30kg pack sizes

Accelerators, inhibitors & promoters

COBALT ACCELERATORS		
Accelerator NL-49P	A solution of cobalt in aliphatic ester. 1% Cobalt content	
Accelerator NL-51P	Same as NL-49P, but with a cobalt content of 6%	
Accelerator NL-53	A solution of cobalt in white spirit. Cobalt content of 10%	
Nouryact 383S	Non-toxic low Cobalt metal complex	
Nouryact 553S	Non-toxic low Cobalt metal complex	
Nouryact 55028	For use in highly filled UP resins	
Nouryact LCC9	Low Cobalt metal complex	
Accelerator CF12	Copper-based accelerator complex	
Accelarator CF13	Copper-based accelerator complex	
Accelerator CF20	Manganese-based accelerator complex	

ANIME ACCELERATORS		
Accelerator NL-64-100	100 % Di-Ehyl aniline (DEA) gives a longer gel time compared with NL-65	
Accelerator NL-65-100	$100\ \%$ Di-methyl-p-toluidine gives a shorter gel time compared with NL-65	

INHIBITORS	
Inhibitor NLC-10	To lengthen the geltime of a UP resin

PROMOTERS	
Promotor C	2,4-Pentanedione, 99%
Promotor D	N,N-Diethylacetoacetamide, 97%

Directives for the safe handling and storage of Akzo Nobel Peroxides

STORAGE	Organic peroxides should be stored in their original packings at 25°C max., unless otherwise indicated on the label. Organic peroxides should be protected against all sources of heat, even direct sunlight. Storage together with other chemicals, especially ACCELERATORS, other reducing materials and inflammable products, must be avoided.
HANDLING- FIRE HAZARD	No smoking, no naked lights, no sparks or other sources of ignition.
HANDLING - EXPLOSION HAZARD	Avoid direct contact of organic peroxides with accelerators; add each component separately to the resin. Contamination with dust, heavy metals and their compounds, as well as chemicals in general, should be avoided.
HANDLING - EYE & SKIN INJURY	Always wear safety goggles and protective gloves since organic peroxides have a corrosive effect on eyes and skin.

RELEASE AGENTS

Frekote FREWAX

Frekote FREWAX is a combination of wax and a polymer release agent.

This combination provides the user with the advantages of an easy-to-apply liquid wax and the mutiple release performance of a semi-permanent release.



Henke

- Easy to use
- Visible release agent
- High gloss finish
- Combines the faimiliar application
 of a liquid wax and semi permanent performance

1 Ltr: RA0011A0000 5 Ltrs: RA0011C0000



Frekote 770-NC

A versatile release agent which provides high slip where mould geometry problems are encountered.

- Fast room temp cure
- High gloss and high slip
- For making non-gelcoated mouldings (eg in closed mould processes)
- Excellent for UP, epoxy and phenolic resins

5 Ltrs: RA0005C0000 770-NC



Frekote 700-NC

A slower version of 770-NC

5 Ltrs: RA0004C0000 700-NC

Frekote FRP-NC

Frekote FRP-NC is a semi-permanent release interface specifically formulated for reinforced polyester gelcoats. It provides minimal mould build-ups thus eliminating buffing and cleaning between applications.

- Minimal mould build-up
- Maximun mould utilisation
- · High gloss finish
- For producing gelcoated mouldings when a gloss is required

5 Ltrs: RA0009C0000



Frekote 44-NC

Frekote 44-NC is a semipermanent release polymer designed to provide mutiple release for most moulding processes with no contaminating transfer. Apply to clean mould surfaces by wiping, brushing or spraying a thin continuous wet film.

- Matt finish
- No mould build-up
- No contaminating transfer
- High thermal stability
- Excellent for UP and epoxy resins

5 Ltrs: RA0002C0000



Frekote WOLO

A unique release agent that cures quickly and provides mutliple releases. Application and use is simple - wipe on, allow to evaporate to produce a high gloss finish. No polishing is needed.

- For producing gelcoated moulding when a gloss is required
- Low odour

1 Ltr: RA0010A0000 5 Ltrs: RA0010C0000



Application	Product	Wipe on wipe off	Wipe on delay wipe off	Wipe on leave on	Wipe on leave to haze wipe off	Base coats	Minimum interval between coats (at room temp) mins	Minimum cure time before using (at room temp) mins
Mould cleaner	PMC	√					5	
Sealer for undercured moulds	FMS		$\sqrt{}$			1-3	15	20+
	FRP-NC		V			6	10	20
	44NC			√		4 - 6	15	100
Mould release agents	770NC			√		4	5	20
	FREWAX				V	4	0	0
	WOLO			V		5	5	15

MOULD PREPARATION

Frekote FMS

Use to seal new moulds and older moulds with micro-porosity and light surface blemishes. An excellent base coat enhancing the release advantages of all Frekote® products.

- Easy to apply
- Fast cure
- Seals mould porosity

1 Ltr: RA0007B0000



Frekote B-15

Formulated to seal mould micro porosity and light surface scratches.

- Easy to apply
- Seals mould porosity
- High thermal stability

1 Ltr: RA0006A0000



Frekote PMC

A special blend of solvents that dissolves and removes wax from composite moulds without dulling the surface. Excellent for epoxy and metal mould surfaces.

- Eliminates contaminants
- Enhances release effectiveness
- For cleaning moulds before Frekote products are first applied
- Excellent for removing wax build-up

5 Ltrs: S00003A0000



OTHER RELEASE AGENTS

Mirror Glaze medium cut cleaner

Mould preparation material. Removes blemishes and sanding marks. Use with polishing machine and wool pad.

M0164. 64 fl oz: M00011B0000



Mirror Glaze machine glaze

Use after M0164 to enhance gloss.
Use with polishing machine and foam pad.

M0364, 64 fl oz: M00012B0000



Mirror Glaze maximum mould release wax

Gives the maximum number of releases for a wax release agent. Good for use on tooling and new moulds (new moulds require 3 coats). One coat on cured moulds offers 5 to 10 releases. Excellent gloss.

M0811, 11 oz tin: RA0013A0000



Mirror Glaze professional paste wax

Higher temperature resistance than M0811.

M01611, 11 oz tin: RA0012A0000



Mirror Glaze universal mould release wax

Very easy to apply and remove. Excellent "storage" wax.

M8811, 11 oz tin: RA0040A0000



Honey wax

Soft paste carnauba wax. Leaves a durable wax surface allowing multiple pulls. Easy to hand apply.

14 oz tin: M00050A0000



Ambersil PUR 400

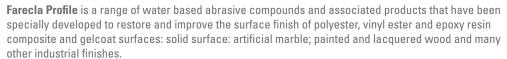
Silicone based aerosol release agent. Not suitable for UP resins.

500ml: RA0030A0000



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FARECLA PROFILE







Profile 100 Paste

- Extra coarse cut removes up to P600 dry
- Special hard abrasives to cut even tough gel coats
- Excellent in a two-step process with Profile 300

AB0053B0000



3.5ka AB0028A0000

Profile 200XL Supercut

Surface Restorer

Coarse cut - removes up to P800 dry

Paste is ideal in a two-step process with Profile 500

Profile 200 Paste

- Extra Cut and good gloss in onestep from P800 dry
- Excellent on Marine Paint as well as Gel Coat and Solid Surface

AB0139A0000 1 Ltr AB0140A0000 3.2Ka



Profile Glaze

- Enhances gloss level of polished surfaces
- Ideal for final finishing prior to delivery to customers
- Especially suited to dark coloured gelcoats

1 Ltr AB0031A0000

Profile UV Wax

in sunny conditions

AB0052A0000



Profile 300 Paste

- Rapid cutting removes up to P1000 dry
- Can be used as a single step process - excellent gloss level

AB0041A0000 3.2kg AB0035A0000



Profile 500 Liquid

- Great for removing swirl marks
- Achieves a high gloss finish, especially on darker colours

AB0085A0000 1 Ltr



Profile in 5 Litres

New 5 litre pack sizes - offering greater convenience and lower product prices per litre.

- Profile 200XL Supercut surface restorer
- Profile 300 liquid
- Profile 500 liquid
- Profile UV Wax



Profile Professional Valeting Range

Contains UV absorbers that slow the effects of ageing High Carnauba wax content resists smearing, especially

Tested to ensure that they will not damage more sensitive surfaces such as gel coats or composite mouldings. Water based and marine safe.

Profile Power Wash – for use by hand or in a power washer. Available in 5 Ltr packs.

Profile Surface Restorer & Wax -

Removes chalking and minor scratches from gelcoats. Includes wax to give added protection and shine.

Available in 5 Ltr packs.

Profile Metal Cleaner - mild abrasive cleaner, includes a protective wax. Available in 1 Ltr packs.









Farecla accessories

Quick change system

8" Adaptors			
14mm	AB0037A0000		
5/8"	AB0091F0000		
8" Double sided pads			
wool	AB0036B0000		
lambswool	AB0038B0000		

Advanced G-MOP compound system

	5	14mm	AB0023B0000	
8"	Back plate	5/8"	AB0023A0000	
0	Pad	wool	AB0033A0000	
	Pau	lambswool	AB0032A0000	
6"	Back plate	14mm	AB0026B0000	
6	Pad	lambswool	AB0025A0000	

NEW PRODUCT

Farecla Abrasives

Profile 37-Hole Back Up Pad & Interface Pad



Back plate easily fits most makes of random orbital sanders, converting them to 37-hole multi-hole design

- Ease of dust removal due to unique 37-hole design
- Soft foam interface pad for easy sanding over curved surfaces
- Square hole aids centring

Profile 37-Hole Abrasive Film Discs



The profile range of abrasives are industrial grade discs that complement the profile marine and Industrial compounds to provide fast, reliable and cost effective sanding and finishing of gelcoats, industrial paints, solid surfaces, wood finishes and most industrial surfaces.

- Innovative and patented design allows easy alignment of disc.
- Multi-hole configuration allows maximum dust extraction
- Increased abrasive area compared to a 15-hole disc
- Anti-clogging technology provides even scratch patterns and excellent durability

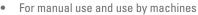
Available in 80-1200 grit

SIA ABRASIVES



The sia group, belonging to the Bosch group of companies and headquartered in Frauenfeld, Switzerland, ranks among the world's top three suppliers of coated abrasives. sia Abrasives develops, manufactures and markets complete abrasive systems tailored to specific requirements and applications for surface preparation and finishing of all kinds. sia Abrasives is represented with partners in over 80 countries.

siafast Discs





- Fast and safe change of abrasive with siafast hook and loop fastening system
- Low clogging
- Gives a very consistent finish

Available in

- 5" or 6" diameter
- 6.7 & 15 holes
- 40-600 grit

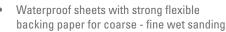
sia Paper Rolls



- Aluminium oxide grit for longer life and better cut, or silicon carbide finishing rolls
- Plyable and strong for hand sanding
- Sterated to reduce clogging give long life and good finish

Available in 40-600 grit 50 lm

sia Wet & Dry Sheets







- No reduction of quality after longer soaking time
- No troublesome backing paper curling
- Very fine finish
- Smooth, even surfaces even on curved work pieces
- Adapts readily to contours
- · Can be folded and cut to any desired size

Available in 60-1200 grit

Swivel Pole Sanding Head*

The swivel pole sander head has a heavy duty cast aluminium body. Able to move and rotate in all directions, it is used with the extension pole to easily abrade large flat GRP areas. Abrasive paper is securely clamped onto the head which has a cellular rubber underside to ensure even contact with the substrate.

*Extension pole is not included. (see page 18)

T00365A0000



Swedtool

Swedtool aluminium rollers comprise a large variety of high quality tools intended for removing air in GRP laminates in a simple and effective way. The tools have heavy guage electroplated steel frames and the plastic handles are carefully designed to give the most stable grip.



Swedtool paddle rollers

Horizontal grooves facilitate air release from the laminate. Rollers have plastic ends, champfered edges, unique draining solutions.

W x D 70 x 21 T00126A0000 140 x 21 T00126B0000 180 x 21 T00134A0000 70 x 45 T00127A0000 140 x 45 T00133A0000





Swedtool fin rollers

Vertical grooves for best air release. Much less resin splashing than paddle rollers. No loose washers that clog.

W x D 35 x 12 T00135A0000 70 x 12 T00129A0000 70 x 30 T00131A0000 140 x 22 T00130A0000



Swedtool disc (corner) rollers

Designed to remove air from corners and difficult areas.

Robust construction, easy to clean.

W x D x H 11 x 40 x 300 T00138A0000



FAX: 01933 666524



Exclusive to Scott Bader, these high quality rollers are made with steel frames, aluminium heads and high grade plastic handles carrying the Scott Bader logo. They provide a smooth running action and have been heavily tested to ensure quality and performance when used daily with resin and acetone. The range incorporates paddle, fin, bristle and disc roller in the sizes below, but we can also produce made-to-order sizes dependent on your specific requirements.



PADDLE ROLLERS	WIDTH	DIAMETER
T00336A0000	50mm	15mm
T00334A0000	70mm	15mm
T00337A0000	100mm	15mm
T00335A0000	140mm	15mm
T00196A0000	70mm	21mm
T00197A0000	140mm	21mm
T00198A0000*	180mm	21mm
T00344A0000*	225mm	21mm
T00199A0000	70mm	40mm
T00200A0000	140mm	40mm
T00201A0000*	180mm	40mm
T00195A0000*	225mm	40mm

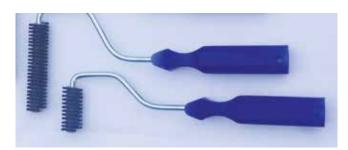
DISC ROLLERS	
T00202A0000	40 x 300mm length
T00203A0000	40 x 530mm length



FINNED ROLLERS		
T00204A0000	35mm	14mm
T00205A0000	70mm	12mm
T00206A0000	70mm	30mm
T00207A0000	140mm	22mm
T00363A0000*	235mm	22mm



BRISTLE ROLLERS		
T00208A0000	50mm	22mm
T00209A0000	50mm	28mm
T00324A0000	100mm	22mm
T00325A0000	100mm	28mm
T00326A0000	150mm	22mm
T00327A0000	150mm	28mm

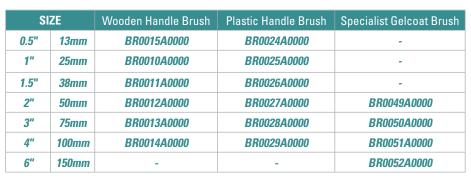


BRISTLE ROLLER REFILL ONLY		
T00328A0000	50mm	22mm
T00329A0000	50mm	28mm
T00330A0000	100mm	22mm
T00331A0000	100mm	28mm
T00332A0000	150mm	22mm
T00333A0000	150mm	28mm



^{*} Features screw thread handle to allow attachment of extension pole (see page 18)

BRUSHES







ROLLERS

			REFILLS				
S	SIZE	FRAMES	3-4mm pile	12mm pile	13mm pile	18mm pile	22mm pile
			Recommended for GELCOATS		Recommended for RESINS		
	4" 00mm)	T00119A0000 (27 cm handle) T00119B0000 (55 cm handle)	Velour T00117A0000	Acrylic T00108A0000	Nylon T00118A0000	-	-
	6" _{50mm)}	T00110A0000 (taper handle) T00115A0000 (screw handle)	Velour T00112A0000	-	-	Nylon T00114A0000	Polyester T00113A0000
-	7" 75mm)	T00120A0000	Velour T00122A0000	-	-	-	Polyester T00121A0000
	10" 50mm)	T00115B0000	Velour T00121B0000	-	-	Nylon T00120B0000	-
_	6" _{50mm)}	T00107A0000	Velour T00106A0000	-	-	Polyester T00105A0000	-

ACCESSORIES

Extension pole

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Metal Telescopic Pole 80-135cm (32-53") comes with a screw and taper cone to allow fitment to majority of handles.

T00116A0000

* All rollers can be attached to an extension pole to make working much faster, easier and safer.

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CONTAINERS

White buckets

Plastic buckets with handles for mixing or storing resins.

Available with or without lids.



Available for measuring and mixing small quantities of resin. Calibrated up to 600cc.

CA0009A0000





9oz paper cups

For mixing very small quantities of resin.

CO0013A0000

Mixing sticks

Wooden spatulas for mixing small quantities of resin or gelcoat.

Box of 100: T00158A0000

DISPENSERS AND SYRINGES

Swedtool dispensers

Swedtool catalyst dosimeters for accurately measuring and dispensing up to 75ml of liquid catalyst. Incorporates a very clever hole in the centre tube to allow easy volume setting/filling.

75ml/500ml body: T00151A0000 75ml/1000ml body: T00150A0000

Catalyst dispensers

For measuring and dispensing up to 15ml of liquid catalyst.

15ml / 500ml body: T00040A0000 80ml / 1000ml body: T00041A0000

Syringes

For accurately measuring small or large quantities of liquid. Ideal for catalysts.

2ml: T00148A0000 10ml: T00148B0000 20ml: T00148C0000 100ml: T00148D0000



ORDERLINE: 01933 666638 FAX: 01933 666524 EMAIL: uksales@scottbader.com

GRP tool kit

Scott Bader's GRP tool kit comprises all the basic tools required to laminate.

Tool kit contents

10 litre bucket & lid	x 1
3" wooden brush	χ4
4" push fit handle	x 1
4" resin refill	x 1
4" topcoat refill	x 1
7" push fit handle	x 1
7" resin refill	х 3
7" topcoat refill	х 3
70 x 14mm fin roller	x 1
225 x 40mm paddle	x 1
80ml dosimeter	x 1
Pair of disposable gloves	x 1





Masking tapes

Available in 25mm, 50mm, 75mm & 100mm width and 50m length rolls



Drum stands

T00153A0000 Static (no wheels)

T00156A0000 Wheels on top (for easy rotation of liquid)
T00152A0000 Wheels on base (to wheel around the stand)
T00157A0000 Eight wheels (4 on top, 4 on bottom)

Drum key type B2

T00171A0000



Drum tap

T00048A0000

Catalyst tap

T00047A0000

Acetone tap

T00072A0000



Wax fillet tools

Available as a pack of 3 fillet (radius) tools.

Small / medium / large - one of each in a pack of 3 T00167A0000



Cotton cloths

T00162B0000 Unbleached rags 10Kg Bag

Stockinette

Available in: 400g, 800g, 1kg & 5kg Rolls

Putty applicators

Putty applicators for the application of pastes. (Pkt of 10) **T00146A0000**

Mould wedges

Mould wedges for separation of moulding without damage. Rigid variety.

7" x 3" T00175A0000 5" x 2" T00176A0000

PERSONAL PROTECTIVE EQUIPMENT

Disposable overalls

To keep your workwear cleaner and protected.

Disposable overall Tyvek L-XL

Disposable gloves

Latex gloves lightly powdered, box of 100, L-XL Nitrile gloves powder free, box of 100, L-XL

Industrial gloves

Tough, general purpose latex industrial gloves.

Marigold G17K black gloves, pair, L-XL Ansell bi-colour latex gloves, pair, L-XL Ansell nitrile gloves flocked large pair PVC gloves fully coated knit wrist







Respiratory masks

3M 8822 moulded valved FFP2 3M 4251 reusable respirator A1P2D

MOULD MAKING

Latex dipping rubber

Just dip a suitable original model in the liquid latex. Popular for chess pieces and similar small castings, in resin or plaster.

5 Ltr M00031A0000 20 Ltr M00032B0000



Ambersil 900 series

A popular range of silicone mouldmaking elastomers giving great mould life and ease of use.

A comprehensive range is available – please ask for details.

Mastermould cold cure silicone rubber

Supplied as two-part pack (white base and blue catalyst). Mix thoroughly and pour to produce durable, high-definition moulds with excellent reproduction of fine detail.



Wax sheets

Available in 2ft x1ft) white, for high temp use or yellow, for general use (1-5mm)

Wax fillet

Offers accurate radii with fine edges that merge into patterns or moulds.

Available in sizes 1/16"-1"

Newplast

A non toxic general purpose modelling material widely used for temporary filling and filleting applications. Standard colour white or black (other colours available subject to a minimum order quantity).

500g: MO0028A0000



NEW PRODUCT

TekCryl Acrylic Roof Repair System

TekCryl roof coatings are a low odour, low VOC, solvent based acrylic resin system for use when waterproofing various roofing systems.

- Low odour and VOC emissions
- · Ready to use straight from the can
- Cold applied
- Instant shower protection
- · Fibre reinforced for gap filling
- Unaffected by temperature
- 2-3 day drying time
- Waterproof immediately after application

TekCryl is ready for use and is cold applied to all types of roofs, including flat and pitched as well as bituminous surfaces, gutters, brickwork, asbestos (see porous substrates section), concrete, felt, metal and fibreglass surfaces.

TekCryl can be applied to damp surfaces and can bridge cracks of several mm wide due to the fibre content.

Any larger voids should be filled with a suitable tape reinforcement.





Suitable substrates

METALS

- Ferrous metals both new and weathered ferrous metals as well as painted galvanised, steel and iron
- Non-ferrous metals both aluminium sheeting and alloy box gutters as well as painted non-ferrous metals

POROUS SUBSTRATES

Asbestos cladding, sheeting and guttering as well as concrete should be primed before applying TekCryl using TekPrime, see separate data sheet for details.

NON-POROUS SUBSTRATES

Ensure that polished bricks and slate have been power washed prior to applying TekCryl, the substrate should be completely dry and free from any contamination.

BITUMEN SURFACES

Please note that discolouration may occur when TekCryl is applied on to new asphalt, bitumen or tar surfaces meaning an extra coat may be required. In addition, old bitumen may crack, in this case further advice should be sought.

PREVIOUSLY COATED OR PAINTED SURFACES

Ensure that an inspection of the substrate has been carried out, adhesives tests on any existing coating or substrate prior to application is highly recommended.

Available in 3 Colours - Black, Grey and White Available in 5kg and 20kg

ROOFING TRIMS

Our GRP Roofing Trims are manufactured in the UK using high quality resin and glass fibre. They have been tried and tested to result in the best combination of strength and flexibility. All trims are finished in a light grey colour and cut to a 3m length except the "F" range and corners. The trims have a high adhesion matt finish on one side ready for bonding and a gloss finish on the topside ready for applying the topcoat.

- Standard 3m length
- Manufactured with 600m² mat with 30% filler premium strength
- Consistent weight and thickness
- Market leading finish and appearance
- Easy jointing simple overlap by 50mm and use PU adhesive



A170/A200/A250 Drip Trim

Fitted to the roof edges to allow drainage into the gutter

- A170 (75 x 84mm),
- A200 (90 x 90mm),
- A250 (95 x 140mm)
- A200A (95 x 90mm) same A200, but with return



B240/B260/B300 Raised **Edge Drip Trim**

Fitting to the roof edges as per A range, but with raised edge to prevent water running off roof

- B240 (100 x 105mm),
- B260 (130 x 125mm), B300 (110 x 175mm)



C100/C150 Simulated Lead Flashing

Replaces traditional lead flashing. Dark grey coloured. Do not topcoat

- C100 (100 x 35mm)
- C150 (150 x 35mm)



D260 Wall Fillet

Used to butt against walls. Also, provides perimeter expansion gap

■ D260 (120 x 60 x 80mm)



E280 Raised Ridge Roll

Used to bridge GRP to felt roofs, and create expansion joints on large roofs

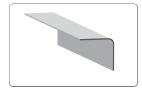
■ E280 (65 x 200mm)



ER40/30 Pre-formed **Rib Detail**

Used to simulate the appearance of raised rolled lead joints

■ ER40/30 (50 x 40mm)



G150/G275 External 90º Angle

Adhesion on outer face for step detail, cover flashing etc

- G150 (75 x 75mm)
- G275 (200 x 75mm)



G180 expansion joint

Use to allow for expansion on large roofs over 50m². It will also act as an integral gutter to aid drainage



H150/H275 Internal 90° Angle

Adhesion on inner face for step detail, cover flashing etc

- H150 (75 x 75mm)
- H275 (200 x 75mm)



J380 35° - 50° Flexible **Internal Angle**

Used to go up any internal angles that are between 35 and 50 degrees from the flat surface

J380 (85 x 300mm)



F300/F600/F900 Flat Flashing

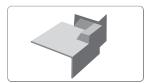
Flat section used for continuous flashing under slates at roof junction

- F300 (300mm x 20m roll)
- F600 (600mm x 20m roll)



C1 Universal **External Corner**

Forms a left or right hand corner. Use with A200 & B260



C2 Left or Right Fillet to Trim

For use where a flat roof meets an abutting wall. Use with A200, B260 & D260

- C2L (left fillet to trim)
- C2R (right fillet to trim)



C3 External or Internal Fillet Corner

Used as a preformed external or internal corner. Avoids mitring in situ. Use with D260

- C3EXT (external fillet corner)
- C3INT (internal fillet corner)



C4 Universal Internal Corner

Forms a left or right hand corner. Use with A200 & B260



C5 & C6 Rolled Rib Closure

C5 to be used with E280 C6 to be used with ER40/30



Personal Protection Equipment

Gloves – Industrial Marigold gloves (reusable), or disposable latex gloves. Overalls – to keep your work wear clean and protected.



Infrared Thermometer

Infrared thermometer with laser alignment to accurately measure the surface temperature of the roof. Allows calculation of correct level of catalyst addition needed for your working conditions.



Bonding Primer

Damp Seal is a bonding primer to be used on materials such as wood, metal and concrete before laminating. Simply brushed onto clean base substrate, then laminate over once tacky.



Fibreglass and Woven Tape

With consistent quality, thickness and stiffness, allowing rapid wet out and air release. Available in 450g/m² and 600g/m². Woven Tape is used to bandage small gaps, and join trim edges and corners together. Simply cut the required length and wet out with resin onto the surface. Available in widths ranging from 50mm to 100mm.



Catalyst

A catalyst is the activator used to start the curing process of the resin or topcoat. A catalyst MUST BE ADDED to the resin or topcoat to activate the hardening process. Available in 0.5kg, 5kg and 30kg pack sizes. 500ml bottles of 'Winter' Catalyst is available for use with our resins and topcoats in colder conditions.

Scangrit 3 antislip



Fix ALL

A high quality, single component joint sealant with high adhesive strength. Also weatherproof and waterproof, which makes this product ideal for our roofing system.



Easy One

Easy sanding body filler.



Buckets

Use to mix and carry resins and topcoats.

Available in 3, 5, 10 and 25 Litre capacity.



Brushes

Designed for use with fibreglass production, these brushes can be cleaned with acetone, which should be allowed to 'flash off' before reuse.



Dosimeter

Accurately measure catalyst using a dosimeter. Available in 500ml body with 15ml measuring capacity or 1000ml body with 80ml measuring capacity.



Rollers

Fabric Rollers are used to wet out the fibre glass and to evenly spread topcoat across larger areas. Consolidating/Paddle Rollers evenly disperse resin into the glass fibre, and facilitate air relase from the laminate. All rollers can be cleaned with acetone and reused.



Swivel pole sander head for sanding off large areas - use with an extension pole and simply clamp on your sand paper.







Acetone

Pure acetone used to clean uncured resin and topcoat from brushes, rollers and other equipment. Please note this material is highly flammable. Available in 5 litre or 25 litre packs.



Kleen All

The specialist formulation for removal of uncured resin from the skin (5l packs).



Swipex

Heavy-duty wipes impregnated with a liquid formula for removing uncured resin/topcoat from hands, tools and general hard surfaces.

RESPONSIBLE CONTAINER MANAGEMENT SERVICE FOR

UK FRP COMPOSITE FABRICATORS

Scott Bader's container management programme offers significant benefits to our customers in terms of both cost savings and reducing the impact of waste on the environment.

By partnering with one of the UK's leading waste management service providers, we now offer a more cost-effective disposal service of used Scott Bader Crystic® brand containers, with the added advantage of regular general waste collections.

At Scott Bader, we handle the collection and logistics of all empty 205 Ltr drums and 1000 Ltr IBCs FREE OF CHARGE as part of our service commitment to you, the customer. Our aim is to keep costs as low as possible whilst improving the service offered.

Scott Bader has now expanded this service by partnering in the recycling of packaging with WasteCare, a company that has 11 licensed specialist waste management sites across the UK and Ireland. Our logistics partner DHL will continue to collect the 205 Ltr steel drums; PackCare Ltd (a division of WasteCare) will collect and recycle all IBCs and returns of other Scott Bader containers, for example 25 Ltr kegs.

Scott Bader strives to offer new and exciting product developments, and is proud of the operational benefits that are now available to customers through this new scheme.

If you require further information regarding our expanded service please contact your Scott Bader Account Manager or Telesales Agent.





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email: info@satyenpolymers.com











Leading composites innovation for over 60 years

For more information on Scott Bader products, visit our website



