



Customer Technical Update  
Pilkington Activ™  
The world's first self-cleaning glass.

May 2006



PILKINGTON



## Products Compatible with Pilkington Activ™

May 06

Testing has demonstrated that the use of incorrect materials and in particular silicone containing products with Pilkington Activ™ can affect its performance. This list has been created to help identify compatible materials for use with Pilkington Activ™

This update contains information which is designed to provide you with up to date information about the technical aspects of Pilkington Activ™, in particular glazing materials that are compatible with the product.

New information added since the last edition is marked with "**NEW!**" so you can easily find it.

If you have any further questions, please contact your Pilkington Sales Manager.

Additional advice can be found in the "Handling and Processing Guidelines for Window Manufacturers".

Further information is also available from our websites [www.pilkington.com](http://www.pilkington.com) and [www.activglass.com](http://www.activglass.com)

The suppliers that are listed in this document submitted products for testing.

The samples submitted were tested for compatibility with Pilkington Activ™ and the results were positive.

There may be other equivalent products that are also compatible, but which have not been tested.

For any product, guidance should be sought from the supplier regarding its suitability as a glazing material, or its compatibility with other glazing materials.

The glazing method should also take into account the recommendations given in relevant national standards, regulations, codes of practice and recommendations of the manufacturer or supplier of the glazing material.

Pilkington Activ™ has been tested to EN1096-2 which tests the durability of the coating. There is not currently an EN standard to cover self-cleaning performance.

**The products are all listed with the dates that they were tested. Please check with the supplier that they have not changed their raw materials or manufacturing process in any way that would affect their product's compatibility.** Pilkington supply this information as a service to their customers but accept no responsibility for any loss or damage incurred as a result of using this information.

# Contents

## **1 Dry Glazing System Materials - Residential and Commercial Applications**

- 1,1 Co-Extruded Gaskets
- 1,2 Coated / Lubricated Gaskets
- 1,3 Dry EPDM Gaskets
- 1,4 Dry TPE Gaskets
- 1,5 Other Dry Gaskets
- 1,6 Glazing Tape Systems

## **2 Wet Glazing System Materials - Residential and Commercial Applications**

- 2,1 **Wet Glazing Sealants developed for Self Cleaning Glass – SCG Tec**
- 2,2 Wet Glazing Sealants – MS Technology
- 2,3 Tapes and Adhesives
- 2,4 Caulking Materials

## **3 Commercial Glazing Systems**

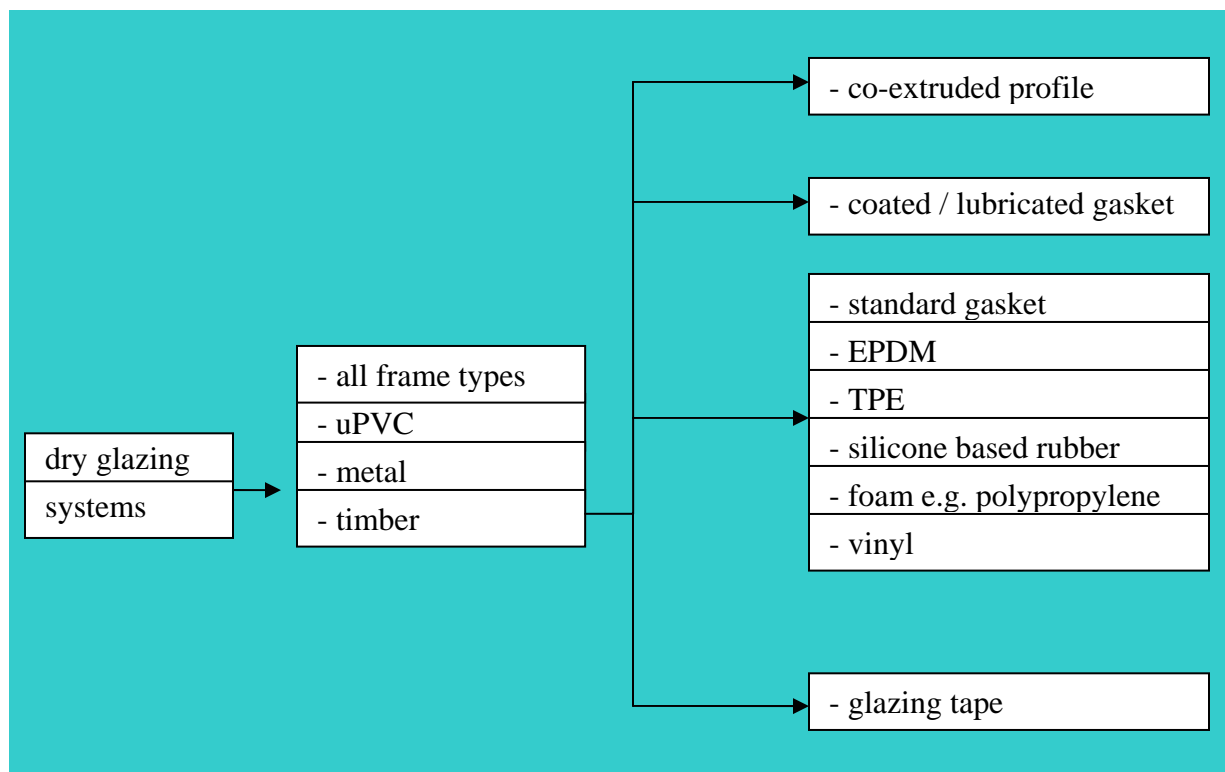
## **4 Miscellaneous**

- 4,1 Protective Films
- 4,2 Leading / Bevels
- 4,3 Specialist Processing
- 4,4 List of Approved Cleaning Agents

## **5 Available Products With Pilkington Activ™**

- 5,1 Pilkington Activ™ Products
- 5,2 Possible Combinations

# 1. Dry Glazing System Materials - Residential and Commercial Applications



When glazing Pilkington Activ™, the strongly preferred option is to use a co-extruded gasket or a dry rubber gasket.

If this is not practicable, a rubber gasket lubricated with glycerol is the next best option.

Only if the previous options are not available should Pilkington Activ™ be glazed with a silicone emulsion lubricant and a thermoplastic (TPE) rubber gasket.

All of the lubricated gaskets have been tested for compatibility with Pilkington Activ™ in the vertical orientation. Some gaskets that are lubricated with a silicone emulsion have occasionally shown very low levels of leaching (<2cm).

However, due to the longer residence time of water on the gasket, there is the potential for an increased level of leaching if these same gaskets are used in sloped glazing.

Please check with your supplier to ensure gaskets lubricated with silicone emulsion are NOT used in sloped installations.

**UNDER NO CIRCUMSTANCES SHOULD A SILICONE OIL LUBRICATED GASKET BE GLAZED AGAINST PILKINGTON ACTIV™.**

## 1.1 Co-extruded Gaskets

Supplier	Product Name	Date Tested	Website	Telephone
Duraflex	Duraflex co-extruded gasket	01.12.2002	<a href="http://www.duraflex.co.uk">www.duraflex.co.uk</a>	UK 01452 726010
Industrial Flexo	Co-extruded gasket. Sample ID: 22.97.8001.0	01.10.2003	<a href="http://www.avon-rubber.com">www.avon-rubber.com</a>	UK +44 (0) 1225 861100
Profile 22	Bubblex	15.2.06	<a href="http://www.profile22.co.uk">www.profile22.co.uk</a>	<b>UK</b> 01952 290910
Rehau AG	Rau-pren	13.12.2002	<a href="http://www.rehau.com">www.rehau.com</a>	Germany 09131 92 5362
Ultraframe	Ultramframe Co-extruded profiles	12.3.2006	<a href="http://www.ultraframe.com">www.ultraframe.com</a>	UK 01200 443311
Veka Ltd	Co-extruded profile	15.01.2003	<a href="http://www.vekauk.com">www.vekauk.com</a>	UK 01282 716611

## 1.2 Coated / Lubricated Gaskets \*

- Note: Lubricated / Coated samples sent for testing showed little or no hydrophobic leaching and therefore passed tests.**

**Check with supplier that the amount of lubricant applied to the gasket has not change composition/ increase, as this may reduce product compatibility.**

Supplier	Product Name	Date Tested	Website	Telephone
AVATEC Inustrieprodukte GmbH Lubricant Supplier	Polymer S EPDM Lubricated	01.10.2005		Germany +49 2861 90297-0
Barbe	Silicone free mounting lubricant	15.2.06	<a href="http://www.barbe.de">www.barbe.de</a>	Germany +49 611 182920
CGP Chemicals Ltd	CGP 2321 Profile Coating	15.2.06	<a href="http://www.cgpchemicals.co.uk">www.cgpchemicals.co.uk</a>	UK:-01283511101 <a href="mailto:sales@cgpchemicals.co.uk">sales@cgpchemicals.co.uk</a>
Deflex-Dichtsysteme	EPDM gasket with glycerol	01.12.2002	<a href="http://www.deflex.de">www.deflex.de</a>	Germany 0203 31808-0
	EPDM + Talc	01.12.2002		
DJ Profiles	EPDM with glycerol	27.01.2003	<a href="http://www.trelleborg.com">www.trelleborg.com</a>	UK 01952 290303
Fa. Dätwyler Inter GmbH	EPDM with special slip-polymer	01.12.2002	<a href="http://www.daetwyler.ch">www.daetwyler.ch</a>	Germany 049 50459109-22; Switzerland 041 875 1122; UK Swindon, France Estreé, Italy Milano, Poland Pruszkow
Fa. M.O.L. Gummiverarbeitung	EPDM with lubricant	01/2005	<a href="http://www.mol-seals.de">www.mol-seals.de</a>	Germany 49 (0) 4441 - 9245-0
Fabprene	Glycerol Lubricated EPDM	01.01.2006	<a href="http://www.fabprene.co.uk">www.fabprene.co.uk</a>	UK +44 (0)161 342 6902.
FinnProfiles Oy	TPE 57SHA	13.11.2002		Finland 08 817 6090
Flevo Rubber	Talc Lubricated EPDM 60	01.11.2005	<a href="http://www.flevo-extrusion.nl">www.flevo-extrusion.nl</a>	Netherlands +31 320 3007
	Talc Lubricated EPDM 70			
	Talc Lubricated EPDM 80			
	Promol Lubricated EPDM 60			
Goldschmidt GmbH (Lubricant Supplier)	TPE Gasket with Slip Coating Getren P3300	01.12.2002	<a href="http://www.getren.com">www.getren.com</a>	Germany +49 201173 2570

## 1.2 Coated / Lubricated Gaskets \*

- Note: Lubricated / Coated samples sent for testing showed little or no hydrophobic leaching and therefore passed tests.**

**Check with supplier that the amount of lubricant applied to the gasket has not change composition/ increase, as this may reduce product compatibility.**

Supplier	Product Name	Date Tested	Website	Telephone
GTG Gummitechnik W. Bartelt	EPDM with slip coating	01.12.2002	www.gtg-group.com	<b>Germany</b> +49 (0) 9073 9507-0
	EPDM gasket with organic lubricant	01.12.2002		
	EPDM gasket with water based lubricant	01.12.2002		
IEB Gummitechnik Eisele & Co	TPE gasket with lubricant Getren P 3300	01.12.2002	www.ieb-gummitechnik.de	<b>Germany</b> +49 6061 9597-0
	TPE gasket with soapy water	01.12.2002		
Industrial Flexo	EPDM gasket with E5 lubricant. Sample ID: 22.95.8419.1	01.10.2003	www.avon-rubber.com	<b>UK</b> +44 (0) 1225 861100
Linear	TPE 4058-101	02.09.2002		<b>UK</b> 01325 375126
Mehren	Mehren EPDM gasket with talc	18.06.2002	www.mehren.no	<b>Norway</b> 0337 85500
Meteor Gummiwerke K. H. Bädje GmbH & Co. KG	Colourlock AC 600 EPDM	01/2005	www.meteor.de	<b>Germany</b> +49-(0)5067/25-0
Phoenix Benelux BVBA	EDPM with slip coating	01.08.2004	www.phoenix-benelux.com	<b>Belgium</b> +32 (0) 3 206 7420
			www.phoenix-dt.de	<b>Germany</b> +49 3622-633494
Profile 22	TPE Silicone	15.01.2003	<a href="http://www.profile22.co.uk">www.profile22.co.uk</a>	<b>UK</b> 01952 290910
Saargummi	Nova Strip	06.11.2002	www.saargummi.de	<b>Germany</b> 0687469-0

## 1.2 Coated / Lubricated Gaskets \*

- Note: Lubricated / Coated samples sent for testing showed little or no hydrophobic leaching and therefore passed tests.**

**Check with supplier that the amount of lubricant applied to the gasket has not change composition/ increase, as this may reduce product compatibility.**

<b>Supplier</b>	<b>Product Name</b>	<b>Date Tested</b>	<b>Website</b>	<b>Telephone</b>
Savatech	STL 50410 glycerol EPDM	13.12.2002	www.savatech.co. uk	<b>UK</b> 020 82883508
	STL 50410G glycerol EPDM	13.12.2002		
	STL 50410 talc (EPDM)	13.12.2002		
	STL 50410G talc (EPDM)	13.12.2002		
Semperit	EPDM with slip coating	14.02.2002	www.semperit.at	<b>Germany</b> 0991 27020; <b>Austria</b> 02630 310 214; <b>France</b> 01 30 25 87 25; <b>Italy</b> 0425 410 680 (Roiter); <b>Sweden</b> 08 88 04 20; <b>Netherlands</b> 033 245 8324; <b>UK</b> 0118 921 4801
	EPDM gasket with glycerol	14.02.2002		
	EPDM + Talc	14.02.2002		
Slottseal Extrusions Ltd	Slottseal gasket TPE	05.11.2002		<b>UK</b> 01604 759535
Synseal	TPE gasket with glycerol	01.02.2004	www.synseal.com	<b>UK</b> 01623 443200
TPP	Easy Set EPDM and Glide Polymer	01.10.2005	www.tpp-bv.com	<b>Phone</b> 0031 (0) 571 292988

## 1.2 Coated / Lubricated Gaskets \*

- Note: Lubricated / Coated samples sent for testing showed little or no hydrophobic leaching and therefore passed tests.**

**Check with supplier that the amount of lubricant applied to the gasket has not change composition/ increase, as this may reduce product compatibility.**

Supplier	Product Name	Date Tested	Website	Telephone
Trelleborg	EPDM with slip coating	01.08.2004	www.trelleborg.com/industrialprofiles	<b>Sweden</b> 0370 48191; <b>UK</b> 0121 352 3873; <b>Norway</b> 0648 66160; <b>Finland</b> 03314 30900; <b>Denmark</b> 075 64 72 52; <b>France</b> 0556 70 25 95; <b>Belgium</b> 055 20 67 64; <b>Germany</b> 0626 192350; <b>Poland</b> 042 613 6322; <b>export</b> from Sweden +46 381 60519
	Trelleborg EPDM extruded gasket	18.12.2002		
	Plastmo 6805077 EPDM	01.08.2004		
	Plastmo 6805079 EPDM	01.08.2004		
	Trelleborg extruded gasket with talc	01.09.2002		
	EPDM gasket with potato starch	01.09.2002		
Vredestein	Tauchmittel 525A(EPDM) + glycerol	22.01.2003	www.vredestein-sealings.com	<b>NL</b> 0317 399 256
Any TPE/EPDM Getren 3300 Lubricated Gasket	Getren 3300 Lubricated	01/2005	www.getren.com	<b>Germany</b> +49 201173 2570

## 1.3 Dry EPDM Gaskets

Supplier	Product Name	Date Tested	Website	Telephone
Fa. Dätwyler Inter	Dry EPDM	01.12.2002	www.daetwyler.ch	<b>Germany</b> 049 50459109-22; <b>Switzerland</b> 041 875 1122; <b>UK</b> Swindon, <b>France</b> Estreé, <b>Italy</b> Milano, <b>Poland</b> Pruszkow
Flevo Rubber	Dry EPDM 60	01.11.2005	www.flevo-extrusion.nl	<b>Netherlands +31 320 233007</b>
	Dry EPDM 70			
	Dry EPDM 80			
GTG Gummitechnik W. Bartelt	Dry EPDM gasket	01.12.2002	www.gtg-group.com	<b>Germany +49 (0) 9073 9507-0</b>
Industrial Flexo	Dry EPDM gasket 70. Sample ID: 22.80.8016.0	01.10.2003	www.avon-rubber.com	<b>UK +44 (0) 1225 861100</b>
	Peroxide EPDM gasket. Sample ID: 22.95.8419.0	01.10.2003		
Mehren	Mehren Gasket	18.06.2002	www.mehren.no	<b>Norway</b> 0337 85500
Reddiglaze	Reddiglaze EPDM	17.09.2002	www.reddiglaze.com	<b>UK</b> 01905 795432 (also <b>export</b> into Europe)
	Wooden frame gasket	17.09.2002		
Rehau AG	Dry EPDM gasket	13.12.2002	www.rehau.com	<b>Germany</b> 09131 92 5362
Trelleborg	Trelleborg Extruded Gasket	01.09.2002	www.trelleborg.com/industrialprofiles	<b>Sweden</b> 0370 48191; <b>UK</b> 0121 352 3873; <b>Norway</b> 0648 66160; <b>Finland</b> 03314 30900; <b>Denmark</b> 075 64 72 52; <b>France</b> 0556 70 25 95; <b>Belgium</b> 055 20 67 64; <b>Germany</b> 0626 192350; <b>Poland</b> 042 613 6322; <b>export</b> from Sweden +46 381 60519
Tremco	Peroxide EPDM 65	09.01.2003	www.tremcoeuropa.com	<b>UK</b> 01753 691696; <b>Germany</b> 02405 426662; <b>Netherlands</b> 055 533 6062; <b>Sweden</b> 031 57 00 10; <b>Finland</b> 095 499 4500; <b>France</b> 01 34 58 57 00; <b>Italy</b> 02 98 281854; <b>Norway</b> 02 32 71 70
	70 Duro EPDM	09.01.2003		
	60 Duro EPDM	09.01.2003		
	SCR 900-70	09.01.2003		
Veka Ltd	VEKA Extruded EPDM	15.01.2003	www.vekauk.com	<b>UK</b> 01282 716611

## 1.4 Dry TPE Gaskets

Supplier	Product Name	Date Tested	Website	Telephone
Euroseal	Euroseal Blue Label Gasket	10.06.2003	www.euroseal.co.uk	UK 0121 344 4100
FinnProfiles Oy	TPE 57SHA	13.11.2002		Finland 08 817 6090
Linear	TPE 4100-101	02.09.2002		UK 01325 375126
	TPE 4058-101	02.09.2002		
Profile 22	TPE Dry	15.01.2003	www.profile22.co.uk	UK 01952 290910
Reddiglaze	Reddiglaze TPR	02.09.2002	www.reddiglaze.com	UK 01905 795432 (also export into Europe)
Slottseal Extrusions Ltd	Slottseal Gasket	01.11.2002		UK 01604 759535

## 1.5 Other Dry Gaskets

Supplier	Product Name	Date Tested	Website	Telephone
Deflex-Dichtsysteme	Dry silicone gasket	01.12.2002	www.deflex.de	Germany 0203 31808-0
FinnProfiles Oy	Silicone 65 SHA extruded silicone or baked extruded silicone versions	13.11.2002		Finland 08 817 6090
Hydro Polymers	VA 2010	27.09.2004	www.hydro.com	Norway +47 22 53 81 00
M+S Silicone GmbH		01.01.2006	www.ms-silicon.de	Germany +49 231967890-0
PAL Glazing	PAL glazing not lubricated	24.01.2003	www.palgroup.co.uk	UK 0121 526 4048
Ravenscroft Plastics	Sapa C4169	07.03.2003	www.ravenscroft.co.uk	UK (01684) 292272/299669
Reddiglaze	Reddiglaze PVC Dry Vinyl	02.09.2002	www.reddiglaze.com	UK 01905 795432 (also export into Europe)
Rehau AG	Dry silicone gasket	13.12.2002	www.rehau.com	Germany 09131 92 5362
Schlegel	Q-Lon Dry Foam	18.12.2001	www.schlegel.co.uk	UK 01462 815500; Germany 0407 33290; Italy 0221 36115; Belgium 059 270300
Silex GmbH	Tempered Silicone Gasket	01.11.2005	www.Silex-silikon.de	Germany +49 2323 98644-0
Sipro (Saint Gobain Performance Plastics SIPRO GmbH)	Silproslide Type A black dry silicone gasket	01.12.2002	www.sipro.de	Germany 0611 92813-0

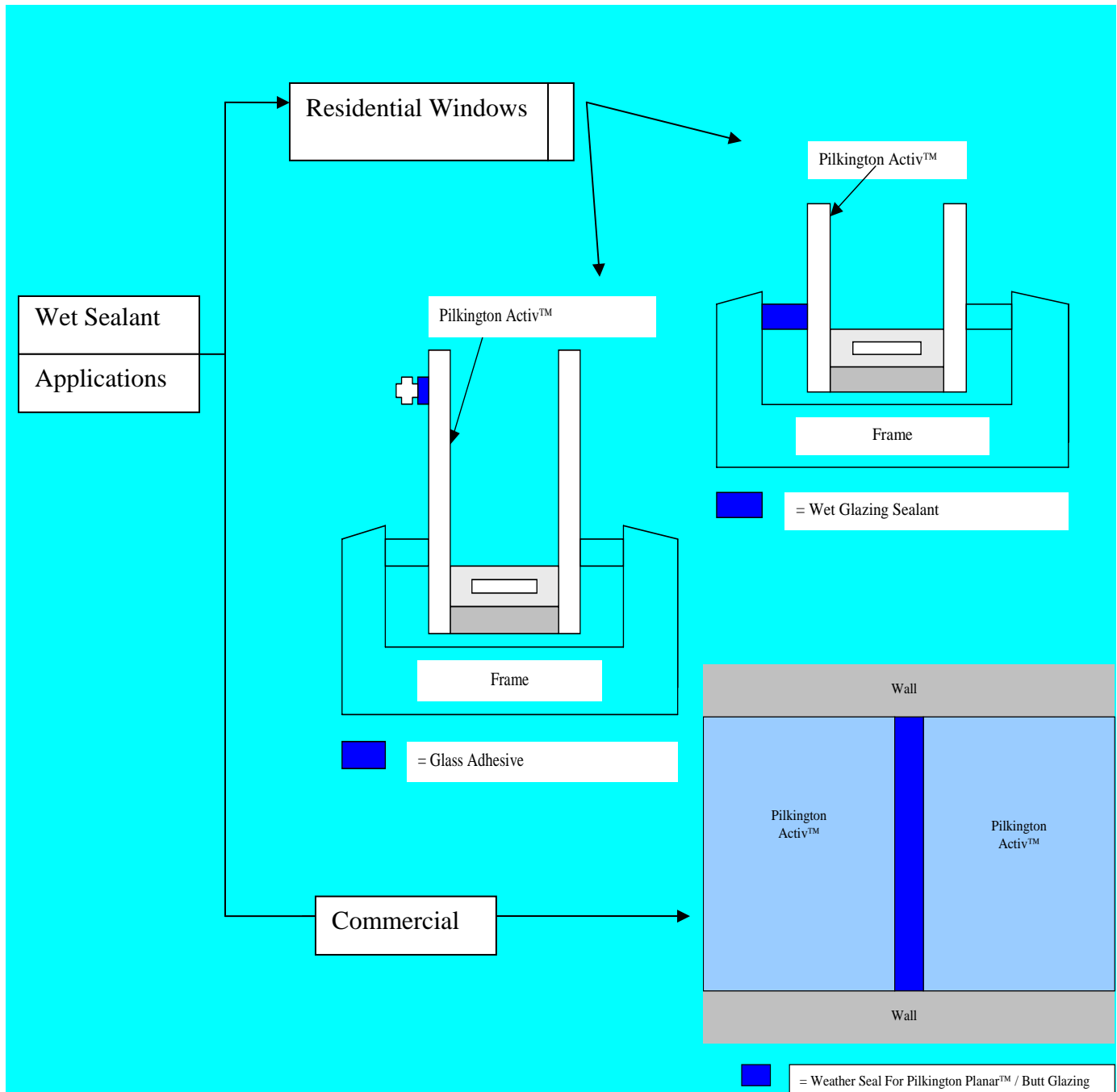
## 1.6 Glazing Tape Systems

Supplier	Product Name	Date Tested	Website	Telephone
3M	Acrylic Foam 4941 P	14.05.2003	www.mmm.com	<b>Global</b> +1-888-364-3577
	Acrylic Foam 4613	14.05.2003		
	Pressure Sensitive Tape-5952F	14.05.2003		
	4408 A-30	01.02.2005		
Adshead Ratcliffe	glazing tape	26.03.2003	www.arbo.co.uk	<b>UK</b> 01773 821215
	sponge glazing tape	26.03.2003		
Biolink - from UK Industrial Tapes Ltd	ProLink 1500R, FoamLink 1603H	17.04.2003	www.ukindustrial apes.co.uk	<b>UK</b> +44 (0)191 487 3255
Hodgson Sealants	Profile Tape 8x4	01.12.2002	www.hodgson- sealants.co.uk	<b>UK</b> 01482 868321
	Foam Sekure XD (for upvc or timber)	01.12.2002		
	Flexi Bond 15x3	01.12.2002		
	Flexi Strip 15x5	01.12.2002		
Illbruck Sealant Systems Uk	Alfas Glasket (Glazing Tape)	10.06.2003	<a href="http://www.illbruck.com">www.illbruck.com</a>	<b>UK</b> +44 (0)191 419 0505
	Alfas SGT PVC - DSX (Security Glazing Tape)	10.06.2003		
	Alfas SGT PVC - DST (Security Glazing Tape)	10.06.2003		
	Alfas SGT PE - DSP (Security Glazing Tape)	10.06.2003		
	Alfas SGT Super (Security Glazing Tape)	10.06.2003		
Kawo	KAWO Vorlegeband (Art.Nr.4060905)	01.08.2004	www.kawo.de	<b>Germany</b> +49 (0) 5121 76 1935
	KAWO Vorlegeband (Art.Nr.4060905)	01.08.2004		
Scmid Baukunststoffe	Butyl Tape	01.01.2005	www.scmid- baukunststoffe.de	<b>Germany</b> +49 (0) 35341 10 000
Shand Higson	5189/4 (Security Glazing Tape)	17.04.2003	<a href="http://www.shandhigson.co.uk">www.shandhigson.co.uk</a>	<b>UK</b> +44 (0)151 207 5661
Tremco	Tremco 440	02.09.2003	www.tremcoeuropa.co m	UK 01753 691696; Germany 02405 426662; Netherlands 055 533 6062; Sweden 031 57 00 10; Finland 095 499 4500; France 01 34 58 57 00; Italy 02 98 281854; Norway 02 32 71 70
	Tremco SST-800			
	Tremco NS tape			
	Tremco Butyl Tape			
	EPDM and Neoprene sponges			
	Polyshim			

## 1.6 Glazing Tape Systems

Supplier	Product Name	Date Tested	Website	Telephone
UK Industrial Tapes	ProLink 1500R	17.04.2003	<a href="http://www.ukindustrialtapes.co.uk">www.ukindustrialtapes.co.uk</a>	UK +44 (0)191 487 3255
	FoamLink 1603H	17.04.2003		
Venture Tape	VG132, VG116, VG108, VG1316 (Security Glazing Tape)	22.04.2003	<a href="http://www.venturetape.com">www.venturetape.com</a>	UK +44 (0) 1327 876555

## 2. Wet Glazing System Materials - Residential and Commercial Applications



**Please Note: If there is a straightforward pathway for water run-off between the caulking and the Pilkington Activ™ surface, the caulking material used should NOT be silicone. Alternatives include Silicone hybrids, MS Polymers and polyurethanes.**

## 2.1 Wet Glazing Sealants – SCG Tec

**SCG-Tec based sealants have been specifically developed for use with Self Cleaning Glass. These sealants offer improved UV resistance compared to earlier technologies.**

Use	Supplier	Product Name	Date Tested	Website	Telephone
Residential/ Commercial Sealant	Soudal	SMX 505	31.05.2005	www.soudal.com	UK +44 1827 261092

## 2.1 Wet Glazing Sealants – MS Technology

Use	Supplier	Product Name	Date Tested	Website	Telephone
Residential Sealant	Soudal	Soudaseal 4 all paint	01.01.2005	www.soudal.com	UK +44 1827 261092
Residential Sealant	Den Braven	Hybriseal 2PS (also known as Hercuseal 305). NB - coloured versions (white, black, grey and brown) only	03.01.2003	www.denbraven.nl	<b>Netherlands</b> 0162 49 1000, <b>Belgium</b> 02 358 3556; <b>Germany</b> 05481 941510; <b>Poland</b> 0618 143504; <b>Greece</b> 1 765 1365; <b>Austria</b> 0043 263 341 399; <b>Italy</b> 0461 534 388; <b>UK</b> (Siraflex) 01226 771600; <b>France</b> 03 44 91 68 68; <b>Denmark</b> 0755 81230; <b>Finland</b> 0201 980610
Residential Sealant	KENT (Premier Industrial Ltd)	KENT Rotabond 2000 with KENT MS Prep Primer	01.05.2001	www.kenteurop.com	<b>Belgium</b> +32 (0)2 725 93 93; <b>Denmark</b> +45 4917 7888; <b>France</b> +33 1 30 95 40 60; <b>Germany</b> +49 02154 956736; <b>Italy</b> Free on 800 011 780 or +39 011 64 77 311; <b>Netherlands</b> +31 (0) 499 331919; <b>Spain</b> +34 91 883 50 54; <b>Sweden</b> +46 (0)44 700 51; <b>UK</b> +44 (0) 1403 213349 <b>KENT Distributors:</b> <b>Austria</b> (Hubert Pokorny GmbH-) +43 2236 64939; <b>Croatia</b> (Pobus d.o.o) +385 513 323906; <b>Estonia</b> (Ou Kevamer Av) + 372 44 25 892; <b>Finland</b> ( Jasper Oy) +35 833 450 580; <b>Norway</b> (C Frimann-Dahl AS) +47 22 51 17 00; <b>Poland</b> ( Luna Polska Z.o.o) + 48 32 208 6541; <b>Slovenia</b> (AT Team D.o.o) +386 15193333; <b>Switzerland</b> (Halco Trade) +41 14 348040
Residential Sealant	Tremco	Mono 321	15.11.2002	www.tremcoeurope.com	<b>UK</b> 01753 691696; <b>Germany</b> 02405 426662; <b>Netherlands</b> 055 533 6062; <b>Sweden</b> 031 57 00 10; <b>Finland</b> 095 499 4500; <b>France</b> 01 34 58 57 00; <b>Italy</b> 02 98 281854; <b>Norway</b> 02 32 71 70

## 2.2 Tapes and Adhesives

Use	Supplier	Product Name	Date Tested	Website	Telephone
Georgian Bar Tape	Illbruck Sealant Systems Uk	Alfas GBT General Bonding Tape	10.06.2003	<a href="http://www.illbruck.com">www.illbruck.com</a>	UK +44 (0)191 419 0505
		Alfas FAT Foamed Acrylic Tape	10.06.2003		
Georgian Bar Tape	Technibond	Technibond double sided tape	27.06.2002	<a href="http://www.technibond.co.uk">www.technibond.co.uk</a>	UK 01628 642800
Georgian Bar Tape	Shand Higson	5300	17.04.2003	<a href="http://www.shandhigson.co.uk">www.shandhigson.co.uk</a>	UK +44 (0)151 207 5661
Glass Adhesives	Sika	Sikaflex 11	25.02.2003	<a href="http://www.sika.co.uk">www.sika.co.uk</a>	01707 39 44 44
		Sikafast 5215	24.02.2003		
Glass Adhesives	Bostik	Bostik Hybrid 2640	25.02.2003	<a href="http://www.bostik.com">www.bostik.com</a>	Austria 05425 801-0; Belgium 2 370 20 62; Denmark +45 448 41 500; France 01 64 42 12 12; Germany 069 8900 10; Ireland 01840 14 61; Italy 02 24 10 93 1; Netherlands 165 590 590; Spain 34(93)586 0203; Switzerland 05425 801-0; UK 0116 251 0015
		Bostik Hybrid 2620	04.05.2004		
		Uretan 2637	25.02.2003		
		Glasil Super	04.05.2004		
Glass Adhesives	Würth	Zebra MS Polymer Adhesive	25.02.2003	<a href="http://www.wurth.com">www.wurth.com</a>	Austria +43 2743 70700; Belgium +32 14 445566; Denmark +45 79 323232; Finland +358 19 7701; France +33 3 88645300; Germany +49 7940 15-0; Ireland +353 61 412911; Italy +39 0471 828111; Netherlands +31 73 6291911; Norway +47 67 062500; Poland +48 22 8119041; Sweden +46 19 351000; Switzerland +41 61 7059111; UK +44 (0)1483 412800

**Note - Glass adhesives are not a glazing sealant**

## 2.3 Caulking Materials

Please Note: If there is a straightforward pathway for water run-off between the silicone caulking and the Pilkington Activ™ surface, the caulking material should NOT be silicone. Alternatives include MS Polymers and polyurethanes. The product listed below has been tested and is compatible with Pilkington Activ™ as a sealant to be used between window frame and brickwork, concrete or cladding material. To mount the glass into a window frame, other sealant types are available. Further details on application suitability are available from the supplier.

Product Type	Supplier	Product Name	Date Tested	Website	Telephone
MS Polymer	Soudal	Soudaseal 215LM	11.03.2004	<a href="http://www.soudal.be">www.soudal.be</a>	<b>Belgium</b> +32 14 42 42 31

## 3. Commercial Glazing Systems

Supplier	Gasket Name	System Name	Date Tested	Website	Telephone
Schüco	224 063 (with yellow stripe)	Window systems: Royal S 45, 50, 50N, 65, 65AK, 70B and 70BS	07.03.2003	<a href="http://www.schueco.de">www.schueco.de</a>	<b>Germany</b> 0049 5 21 7830; <b>UK</b> 01908 282 111
	224 606	Curtain Walling systems: FW50 <sup>+</sup> , FW60 <sup>+</sup> , FW50 <sup>+.1</sup> , FW60 <sup>+.1</sup>	07.03.2003		
<b>Schüco can offer alternative lubricants with their systems. To avoid misunderstandings please note on your order that you want to use Pilkington Activ™.</b>					
Heywood Williams	1 broad, 1 narrow, Aluminium gaskets	Series 23 Commercial Window Systems, Series 24 Commercial Window Systems, Series 48 Curtain Walling Systems. Modular 70 Sloping Roof Glazing System.	07.03.2003	<a href="http://www.heywoodwilliams.com">www.heywoodwilliams.com</a>	<b>UK</b> 01484 487200
Technal Viking	FX607G	Fxi Casement Window Suite: FXi 46, FXi 52, FXi 65	07.03.2003	<a href="http://www.technal.co.uk">www.technal.co.uk</a>	<b>UK</b> 0113 2961400
	MC6906	MC Curtain Wall range (fully framed systems)	07.03.2003		

Supplier	Gasket Name	System Name	Date Tested	Website	Telephone
Rehau	Rehau Weldable dry gasket (possibly known as Rauprene)		07.03.2003	<a href="http://www.rehau.com">www.rehau.com</a>	<b>Benelux, Denmark, Finland, Norway, Sweden:</b> 09131 925 392; <b>Switzerland:</b> 09131 925 483; <b>France:</b> 0033 38 70 55 807; <b>UK:</b> 0044 19 89 762641; <b>Poland:</b> 0048 618 49 8451
Santoprene	691-62W221 (beige)	For aluminium and wooden windows	22.05.2003	www.santoprene.com	<b>France</b> +33-1-41-45-77-20; <b>Germany</b> +49-221-74907-0; <b>Italy</b> +39 02 8803452; <b>Poland</b> +48 22 6063972; <b>Spain</b> +34 936 002 150; <b>Sweden</b> +46-31-63-82-90; <b>UK</b> + 44 1162 896122
	8691-58W805 (range of light colours)		22.05.2003		
	8221-60 (white)		22.05.2003		
	8221-70 (white)		22.05.2003		
DRL	Grey Silicone Gasket	DRL Curtain Wall	23.05.2003	<a href="http://www.oskoma.nl/DR">www.oskoma.nl/DR</a>	<b>Benelux</b> +31 493 329190
Kawneer	953-272 (R5961)	1202 curtain wall, 1203 Slope glazing, and 1612 curtain wall systems.	20.03.2003	www.kawneer-europe.com	<b>France</b> + 33 (4)67 87 77 55; <b>Germany</b> + 49 2374 936 0; <b>Ireland</b> + 353 1 450 8809; <b>Netherlands</b> + 31 (0)341 464611; <b>UK</b> + 44 (0)1928 502500; <b>USA</b> +1 770 449-5555
	271-921		01.04.2005	<a href="http://www.alcoa.com">www.alcoa.com</a>	
	953-273 (R5960)		20.03.2003	<a href="http://www.alcoa.com">www.alcoa.com</a>	
Sapa	Sapa	Gridframe MRV Curtain Walling - Marvylex PVC Nitrile gasket	03.12.2004	<a href="http://www.sapagroup.com/uk/buildingsystems">www.sapagroup.com/uk/buildingsystems</a>	<b>UK</b> (0)1684 853500
	TPE non-lubricated gasket	W274E	01.04.2005	<a href="http://www.sapagroup.com/uk/buildingsystems">www.sapagroup.com/uk/buildingsystems</a>	<b>UK</b> (0)1684 853500
	TPE non-Lubricated	105/87, 105/88, 105/89, 105/90, 105/91, 105/135, 105/140	01.08.2005		

All of the lubricated gaskets have been tested for compatibility with Pilkington Activ™ in the vertical orientation. Some of the gaskets lubricated with a silicone emulsion have occasionally shown very low levels of leaching (<2cm).

However, due to the longer residence time of water on the gasket, there is the potential for an increased level of leaching if these same gaskets are used in sloped glazing.

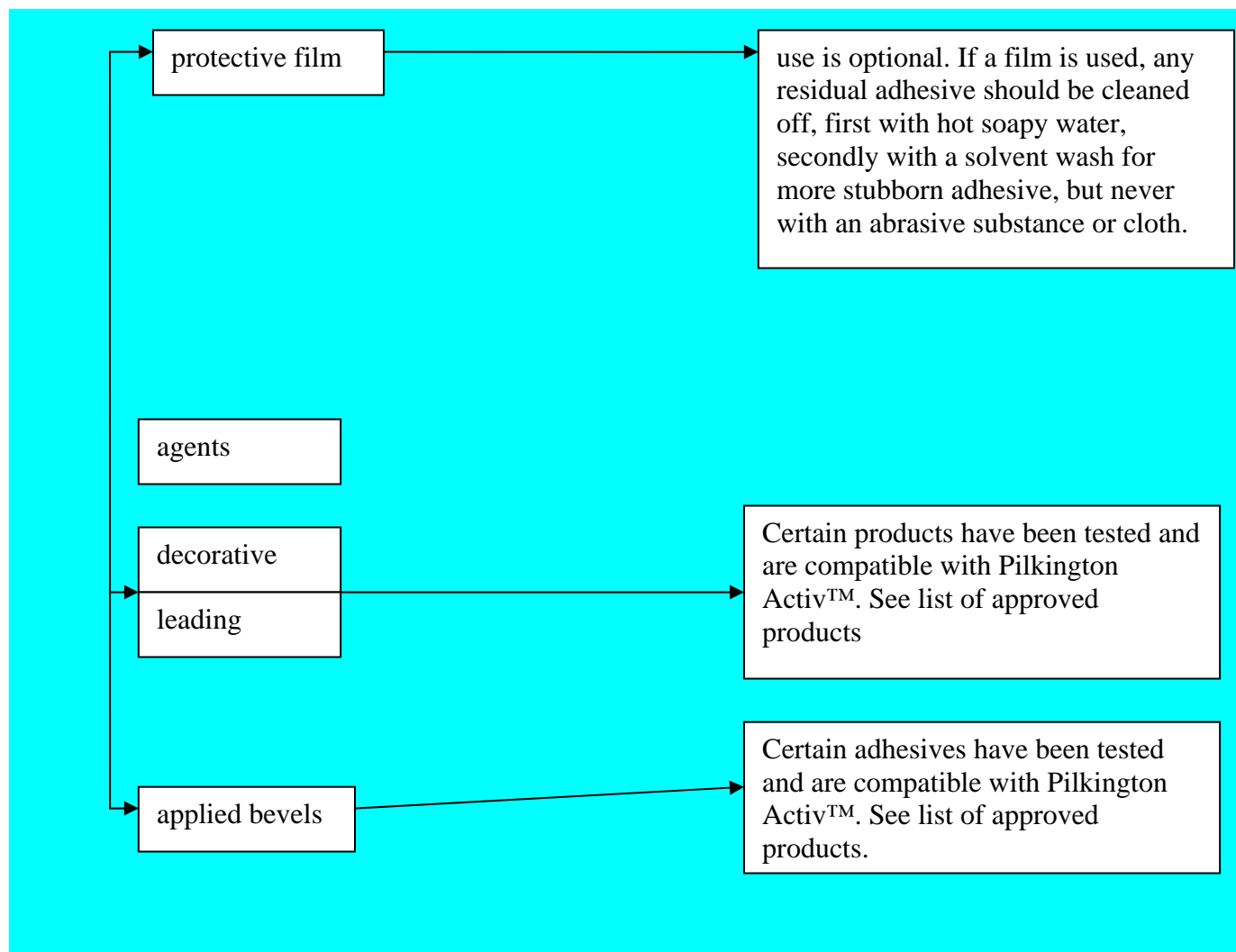
Please check with your supplier to ensure gaskets lubricated with silicone emulsion are NOT used in sloped installations.

**In addition to the above specific systems, there are a number of suppliers who can supply non-silicone based gaskets, if they are specifically requested. This service is available from the German offices but can be discussed with your local representative. Please put on the order "Non-silicone gaskets required for use with Pilkington Activ™."**

**These suppliers are listed below, along with their contact phone number in Germany.**

<b>Supplier</b>	<b>Website</b>	<b>Telephone</b>
Aluplast	<a href="http://www.aluplast.de">www.aluplast.de</a>	+49 (0) 7243 7742421
Brüggmann	<a href="http://www.brueggmann.de">www.brueggmann.de</a>	+49 (0) 8245 520
Gealan	<a href="http://www.gealan.com">www.gealan.com</a>	+49 (0) 9286 774130
Gutmann	<a href="http://www.gutmann-aluminium.de">www.gutmann-aluminium.de</a>	+49 (0) 9141 992621 +49 (0) 9194 992622
Heroal	<a href="http://www.heroal.de">www.heroal.de</a>	+49 (0) 5246 507238
Hueck/Hartmann	<a href="http://www.eduard-hueck.de">www.eduard-hueck.de</a>	+49 (0) 2351 1510
Klima Flex	<a href="http://www.klimaflex.de">www.klimaflex.de</a>	+49 (0) 7171-97614-59
Kömmerling, KBE, Trocal (Profine)	<a href="http://www.profine-group.com">www.profine-group.com</a>	+49 (0) 6331 562598
Raico	<a href="http://www.raico.de">www.raico.de</a>	+49 (0) 8265-911-0
Rehau	<a href="http://www.rehau.com">www.rehau.com</a>	+49 (0) 9131 925628
Reynaers	<a href="http://www.reynaers.com">www.reynaers.com</a>	+49 (0) 2043 96400
Salamander	<a href="http://www.brueggmann.de">www.brueggmann.de</a>	+49 (0) 8245 520
Schüco	<a href="http://www.schueco.de">www.schueco.de</a>	+49 (0) 521 783864
Solarlux	<a href="http://www.solarlux.com/">www.solarlux.com/</a>	+49 (0) 5402-400-0
Sykon	<a href="http://www.sykon.de">www.sykon.de</a>	+49 (0) 5223-9818-18
TS Aluminium	<a href="http://www.ts-alu.de/">www.ts-alu.de/</a>	+49 (0) 4943-9191-1
Veka	<a href="http://www.veka.de">www.veka.de</a>	+49 (0) 2526 294690 +49 (0) 2526 294620
Wicona	<a href="http://www.wicona.de">www.wicona.de</a>	+49 (0) 731 3984174

## 4. Miscellaneous



### 4.1 Protective Films

Supplier	Product Name	Date Tested	Website	Telephone
Nava Center Oy	Navaflex 15-1	01.12.2002	<a href="http://www.navacenter.com">www.navacenter.com</a>	<b>Finland</b> +358 (0)8 443 596
Nitto	AP4058RL	01.12.2002	<a href="http://www.nittoeurope.com">www.nittoeurope.com</a>	<b>France</b> 0297 46 92 00 (MEI)
Novacel	4331	01.03.2005	<a href="http://www.novacel.fr">www.novacel.fr</a>	<b>UK</b> +44 (0)1582 583294
Shand Higson	2903	17.04.2003	<a href="http://www.shandhigson.co.uk">www.shandhigson.co.uk</a>	<b>UK</b> +44 (0)151 207 5661
Spraylat	Glasstrip UV Resist PC100	01.12.2004	<a href="http://www.spraylat.co.uk">www.spraylat.co.uk</a>	<b>UK</b> +44 (0)1536 408409
	Glasstrip 785-3	01.01.2006		
White Mango Enterprises	PAW 55	01.06.2003	<a href="http://www.whitemango.com">www.whitemango.com</a>	<b>UK</b> +44 (0) 20 8861 9486

Many have been tested, and in general any film with an acrylic adhesive should be compatible.

## 4.2 Leading / Bevels

Supplier	Product Name	Date Tested	Website	Telephone
Regalead	Natural 9mm Oval Antique 9mm Oval	26.02.2003	www.regalead. co.uk	<b>UK</b> 0161 946 1164
Decra Led	any lead applied with the adhesives listed below	01.03.2004	www.decraled. co.uk	<b>Poland</b> +48 (0 prefix 55) 235 19 25; <b>UK</b> 0161 368 4491; <b>USA</b> +1 608 742 8386
	Premium Lead Strip Adhesive	01.03.2004		
	Alpha Lead Strip Adhesive	01.03.2004		
	Hi-Tac Lead Strip Adhesive	01.03.2004		
Regalead	RB 334 bevel. Applied by UVTek 410 Visible Light Curing	26.02.2003	www.regalead. co.uk	<b>UK</b> 0161 946 1164
	RB 334 bevel. Applied by UVTek FC 700 UV Curing	26.02.2003		
	RB 334 bevel applied by UVTek 116 UV Curing	26.02.2003		
Decra Led	Permabond	01.03.2004	www.decraled. co.uk	Poland +48 (0 prefix 55) 235 19 25; UK 0161 368 4491; USA +1 608 742 8386
Remco Chemie	Remcolin Siebreiniger Screen Print Cleaner	01.12.2002		<b>Germany</b> 062 216 4850

## 4.3 Specialist Processing

Product Type	Supplier	Contact	Website	Telephone
Curved Toughened, Concave & convex, Single & IGU	Toughglass	<a href="mailto:emmanuelb@toughglass.com">emmanuelb@toughglass.com</a>	www.toughglass.com	<b>UK</b> + 44 (0)28 4176 0918; <b>ROI</b> + 353 (0)1 466 2560; <b>Export</b> + 353 (0) 86 386 2366
Sag Bending, toughened	Novaglaze	<a href="mailto:sales@novaglaze.co.uk">sales@novaglaze.co.uk</a>	www.novaglaze.co.uk	UK +44 (0)845-850-2363
Sag Bending, annealed	Jean Gobba	<a href="mailto:jean.gobba@gobba.com">jean.gobba@gobba.com</a>	www.gobba.com	<b>France</b> +33 4 74 05 98 00

## 4.4 List of Approved Cleaning Agents

Ajax 3-Fach Aktiv	Kent Glas Kleen 40-1 Superkonzentrat	Windowlene Spray (Original)
Ajax Antistatic	Kent Glas Kleen Netoié Vitres	Windowlene Wipes For Glass and Shiny Surface
Ajax Citrofrisch	Kent Rotanium Soft Surface Cleaner (article No. 83950)	Zack Glasreiniger
Ajax Fete Des Fleurs	Kent Surface Cleaner (article No: 83926)	
Ajax Glass Universal Double Action	Kristall Fenster	
Ajax Glasrein Zitro-Frisch	Mr Muscle Window Cleaner	
Ajax Kristall	Nationwide Glass Cleaner	
Ajax Streak Free Professional Glass Cleaner	Nova Window Cleaner	
Ajax Tip-Top	Ritec Glass Cleaner	
Ajax Window Cleaner	<u>Brand names of Sidolin cleaners from Henkel:</u>	
Bohle Glasreiniger BO 5107800	~ Sidolin 2 Phasen (DE)	
CIF Window Wipes	~ Sidolin Streifenfrei Aktivschaum (DE)	
Cleani Glass Universal	~ Sidolin Streifenfrei Cristal (DE)	
Cosmofen 10 and 20 (with water rinse)	~ Sidolin Streifenfrei Zitrus-Frisch (DE)	
Decra Clean	~ Instanet Ruiten / Instanet Ruiten Citron (B, NL)	
Denk Mit Glasreiniger	~ Clin Windows / Clin Universal (Austria, Eastern Europe)	
Domol Glasklar	~ Bref Vitre / Bref Vitre Citron (F)	
Elite Force 2000 UPVC Cleaner	~ Bref Multiuso (IT)	
Elite Force Extra Strength	~ Tenn Crystales e Superficies / Tenn Multiusos (S)	
Ettore Squeegee Off (concentrate)	~ Sonasol Vidros / Sonasol Vidos e Superficies (Pt)	
Fenosol S10 (For PVC)	~ Sidolin Christal	
Frosch Spiritus Glas-Reiniger	~ Sidolin Zitrus	
Graffiti Wipes (Ritec International)	Safeway Vecta Window Cleaner	
Gunge Wipes (Ritec International)	Spontex Glass Wipes	
HG glazenwasser, HG le lave vitre des Pros	Spray Clean Glass Universal	
HG window cleaner, HG Fensterputzer	UVTek Professtional Glass Cleaner	
	Wilko Window Cleaner	

## **IMPORTANT NOTICE**

The use of silicone removers on Pilkington Activ™ is considered as a remedial action which should only be undertaken after consultation with the Pilkington Technical Advisory Service. Due to the nature of these materials, work should only be undertaken after reading the manufacturers' relevant safety literature. Pilkington cannot guarantee the effectiveness of the treatment or the effect the treatment will have on the coating as this will be severely affected by factors outside Pilkington's control, for example the nature and amount of the deposit.

The use of silicone eaters will not solve the problem if the original source of contamination is still present.

Di Aqua Forte Silicone Eater  
Dow Corning's Silicone Eater  
Bayer TP3888  
Kent Liquid Rubbing Compound

## **5. Available Products with Pilkington Activ™**

### **5.1 Pilkington Activ™ Products**

Pilkington Activ™  
Pilkington Activ™ Blue  
Pilkington Activ Suncool Brilliant™ HP 30/17  
Pilkington Activ Suncool™ HP 50/30  
Pilkington Activ Suncool™ HP 53/40  
Pilkington Activ Suncool™ HP 70/40  
Pilkington Activ Optitherm™ SN  
Pilkington Activ Optilam™ (various interlayers)  
Pilkington Activ Optilam Suncool Brilliant™ HP 30/17  
Pilkington Activ Optilam Suncool™ HP 50/30  
Pilkington Activ Optilam Suncool™ HP 53/40  
Pilkington Activ Optilam Suncool™ HP 70/40  
Pilkington Activ Optilam™ Phon  
Pilkington Activ Optilam™ Therm

## 5.2 Possible Combinations

It is possible to combine Pilkington Activ™ with other products to obtain additional benefits. Please contact your IGU supplier.

