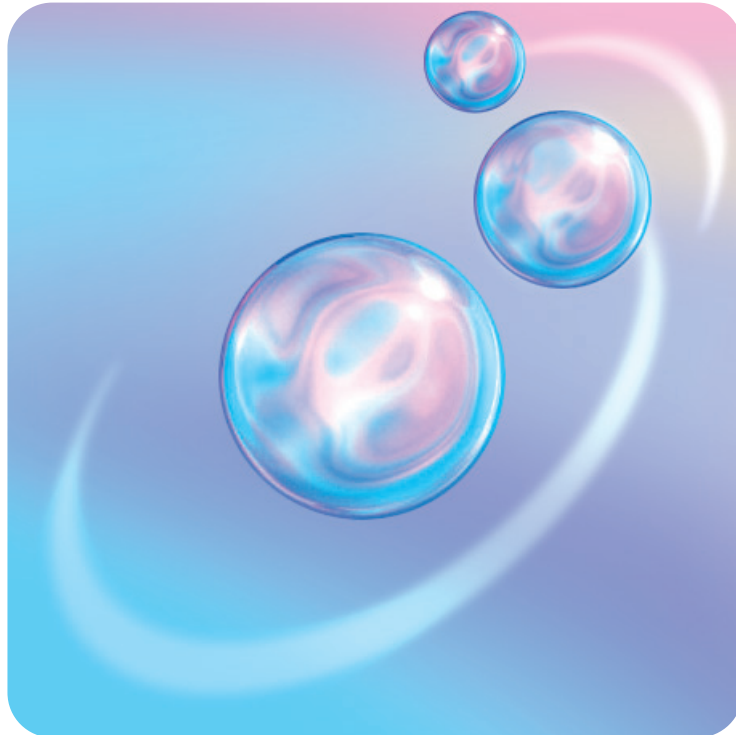


Pilkington **Activ**[™]



self-cleaning glass

Customer Technical Update
Pilkington **Activ**[™]
The world's first self-cleaning glass





Products Compatible with Pilkington Activ™

August 2016

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 shown in RED so you can easily find it.

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

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

Further information is also available from our website **www.pilkington.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. NSG Group 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 / Material Systems

2 Wet Glazing System Materials - Residential and Commercial Applications

- 2.1 Wet Glazing Sealants – SCG TEC
- 2.2 Wet Glazing Sealants – MS / Hybrid Technology
- 2.3 Tapes and Adhesives
- 2.4 Caulking Materials

3 Commercial Glazing Systems

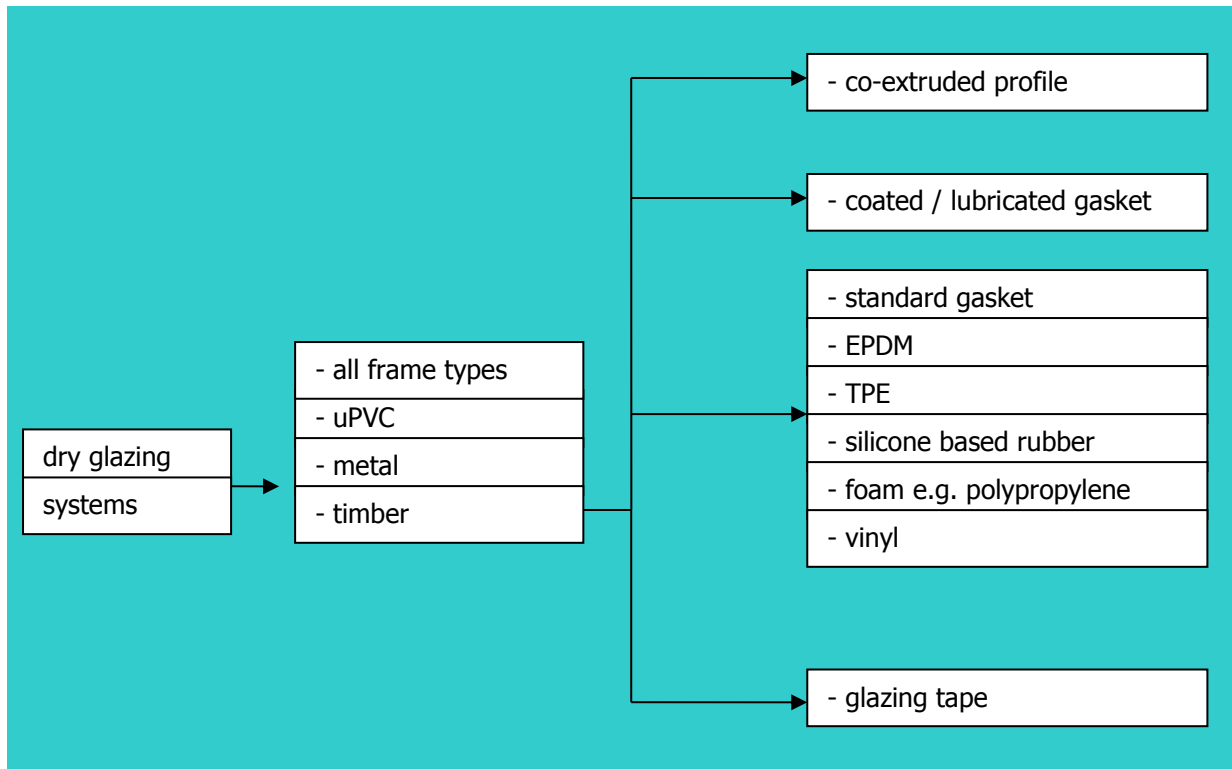
4 Miscellaneous

- 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.

Only if the use of a dry gasket or co-extruded system is not possible should a rubber gasket lubricated with glycerol or alternative silicone free / siloxane free lubricant be used.

If all of the above options are unavailable then Pilkington Activ™ may be glazed with a recommended silicone emulsion lubricant on a thermoplastic (TPE) rubber gasket. If this option is utilized care should be taken and the following points have to be taken into consideration.

- 1. All of the lubricated gaskets have been tested for compatibility with Pilkington Activ™ in the vertical orientation. Some of the gaskets that are lubricated with a siloxane emulsion have occasionally shown very low levels of leaching (<2 cm) around the perimeter of the glass.**
- 2. Lubricants added to gaskets should only be applied by the manufacturer. Under no circumstances should additional lubricant be added to the gasket. Addition of extra lubricant is likely to result in uncured material on the surface and significantly increases the chances of leaching**
- 3. 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 used in sloped glazing. Please check with your supplier to ensure gaskets lubricated with siloxane 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	www.duraflex.co.uk	UK +44 1452 726010
Industrial Flexo	Co-extruded gasket. Sample ID: 22.97.8001.0	01.10.2003	www.avon-rubber.com	UK +44 1225 861100
Profile 22	Bubblex	15.2.06	www.profile22.co.uk	UK +44 1952 290910
Rehau AG	Rau-pren	13.12.2002	www.rehau.com	Germany +44 9131 92 5362
Ultraframe	Ultraframe Co-extruded profiles	12.3.2006	www.ultraframe.com	UK +44 1200 443311
Veka Ltd	Co-extruded profile	15.01.2003	www.vekauk.com	UK +44 1282 716611

1.2 Coated / Lubricated Gaskets *

- Note: Lubricated / Coated samples sent for testing showed little or no hydrophobic leaching and therefore passed tests. Due to the nature of these lubricants they must be applied by the manufacturer and be fully dried prior to sue. Under no circumstances should additional lubricant be applied on site.**

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 Industrieprodukte GmbH Lubricant Supplier	Polymer S EPDM Siloxane Lubricated	01.10.2005		Germany +49 2861 90297-0
Barbe	Silicone free mounting lubricant	15.2.06	www.barbe.de	Germany +49 611 182920
CGP Chemicals Ltd	CGP 2321 Profile Coating	15.2.06	www.cgpchemicals.co.uk	UK +441283511101 sales@cgpchemicals.co.uk
Deflex-Dichtsysteme	EPDM gasket with glycerol	01.12.2002	www.deflex.de	Germany +49 0203 31808-0
	EPDM + Talc	01.12.2002		
	Any TPE/EPDM Gasket with Deflex-Gummispray A1	Q2 08		
DJ Profiles	EPDM with glycerol	27.01.2003	www.trelleborg.com	UK +44 1952 290303
Fa. Dätwyler Inter GmbH	EPDM with special slip-polymer	01.12.2002	www.daetwyler.ch	Germany +49 50459109-22; Switzerland +41 41 875 1122; UK Swindon, France Estreé, Italy Milano, Poland Pruszkow
Fa. M.O.L. Gummiverarbeitung	EPDM with lubricant	01/2005	www.mol-seals.de	Germany +49 4441 9245-0
Fabprene	Glycerol Lubricated EPDM	01.01.2006	www.fabprene.co.uk	UK +44 161 342 6902
FinnProfiles Oy	TPE 57SHA	13.11.2002		Finland +35 8 817 6090
Flevo Rubber	Talc Lubricated EPDM 60	01.11.2005	www.flevo-extrusion.nl	Netherlands +31 320 233007
	Talc Lubricated EPDM 70			
	Talc Lubricated EPDM 80			
	Promol Lubricated EPDM 60			
	EPDM 60 Shore with HC Glide 811 lubricant	10.2006		
	EPDM 70 Shore with HC Glide 811 lubricant			

Evonik Nutrition & Care GmbH	Getren 3300 Lubricated Siloxane Based Lubricant (any TPE/EPDM Getren 3300 Lubricated Gasket)	01/2005	www.getren.com	Germany +49 201173 2570
	Any TPE/EPDM Getren 3600 lubricated gasket	11.2013		
Evonik Nutrition & Care GmbH (Lubricant Supplier)	TPE Gasket with Siloxane based Slip Coating Getren P3300	01.12.2002	www.getren.com	Germany +49 201173 2570
GTG Gummitechnik W. Bartelt	EPDM with slip coating	01.12.2002	www.gtg-group.com	Germany +49 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	Germany +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	UK +44 1225 861100
J Allcock and Sons Ltd	Allcosil Lubricant on approved gasket	01.07.2007	www.allcocks.co.uk	UK +44 161 223 7181
KORALUB	Any KORALUB lubricated EPDM gasket	01.03.2010	www.obermeier.de	Germany +49 2751-5041
Leeser GmbH	EPDM with slip coating	06/2008	www.leeser.de	Germany + 49 2433 4508 - 247
Linear	TPE 4058-101	02.09.2002		UK +44 1325 375126
M + R Dichtungstechnik GmbH	KORALUB Emulsion G EPDM gasket	01.03.2010	www.mur-dichtungstechnik.de	Germany +49 6182-9567-24
M + R Dichtungstechnik GmbH	KORALUB gasket with AC 600 lubricant	01.03.2010	www.mur-dichtungstechnik.de	Germany +49 6182-9567-24
Mehren	Mehren EPDM gasket with talc	18.06.2002	www.mehren.no	Norway +47 337 85500
Meteor Gummiwerke K. H. Bädje GmbH & Co. KG	Colourlock AC 600 EPDM	01/2005	www.meteor.de	Germany +49 5067/25-0
Meteor Gummiwerke	MEPSOLAC S MEPSOLAC E lubricants	07.2011	www.meteor.de	Rolf Hoppenheit Germany +49 5067/25-113
Phoenix Benelux BVBA	EDPM with slip coating	01.08.2004	www.phoenix-benelux.com www.phoenix-dt.de	Belgium +32 3 206 7420 Germany +49 3622-633494
Profile 22	TPE Silicone	15.01.2003	www.profile22.co.uk	UK +44 1952 290910
Saargummi	Nova Strip	06.11.2002	www.saargummi.de	Germany +49 687469-0

Savatech	STL 50410 glycerol EPDM	13.12.2002	www.savatech.co.uk	UK +44 20 82883508
	STL 50410G glycerol EPDM	13.12.2002		
	STL 50410 talc (EPDM)	13.12.2002		
	STL 50410G talc (EPDM)	13.12.2002		
Schill + Seilacher AG	Struktol VP 5289 Siloxane Based Lubricant (Any TPE/EPDM Lubricated Gasket)	1.2007	www.struktol.de	Germany +49 40-733-62-240
	EPDM gaskets lubricated with Struktol VP 5379	02.04.2014		
Secil Rubber Industry & Trading Inc	Black gasket (Talkum)	07.07.2014	www.seciltr.com	Turkey +90 324 616 1140 (Contact: Sedat Ergezer)
Semperit	EPDM with slip coating	14.02.2002	www.semperit.at	Germany +49 991 27020; Austria +43 2630 310 214; France +33 1 30 25 87 25; Italy +39 0425 410 680 (Roiter); Sweden +46 8 88 04 20; Netherlands +31 33 245 8324; UK +44 118 921 4801
	EPDM gasket with glycerol	14.02.2002		
	EPDM + Talc	14.02.2002		
Slottseal Extrusions Ltd	Slottseal gasket TPE	05.11.2002		UK +44 1604 759535
Synseal	TPE gasket with glycerol	01.02.2004	www.synseal.com	UK +44 1623 443200
	VTP TPR Gasket Coated with Synseal Slip Coating	10.2006		
TPP	Easy Set EPDM and Glide Polymer	01.10.2005	www.tpp-bv.com	NL +31 578-677330

Trelleborg	EPDM with slip coating	01.08.2004	www.trelleborg.com/ industrialprofiles	Sweden +46 370 48191; UK +44 121 352 3873; Norway +47 648 66160; Finland +358 3314 30900; Denmark +45 75 64 72 52; France +33 556 70 25 95; Belgium +32 55 20 67 64; Germany +49 626 192350; Poland +48 42 613 6322; export 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	NL +31 317 399 256

1.3 Dry EPDM Gaskets				
Supplier	Product Name	Date Tested	Website	Telephone
Conta flexible products	240-901 470-901	Q1 2012	www.conta.com.tr	
Fa. Dätwyler Inter	Dry EPDM Dry EPDM	01.12.2002 Q1 2009	www.daetwyler.ch	Germany +49 50459109-22; Switzerland +41 875 1122; UK Swindon, France Estreé, Italy Milano, Poland Pruszkow
Deceuninck	P1999 P3299 EPDM gaskets	03.2015	www.deceuninck.co.uk	UK +44-1249-816-969
Deflex	EPDM gasket	03.2012	www.deflex.de	Germany +49 203 31808-0
Flevo Rubber	Dry EPDM 60	01.11.2005	www.flevo-extrusion.nl	Netherlands +31 320 233007
	Dry EPDM 70			
	Dry EPDM 80			
Gruppo BMP	Dry EPDM 70	27.01.2009	www.bmp.it	Italy +390 331 57391
GTG Gummitechnik W. Bartelt	Dry EPDM gasket	01.12.2002	www.gtg-group.com	Germany +49 9073 9507-0
Industrial Flexo	Dry EPDM gasket 70. Sample ID: 22.80.8016.0	01.10.2003	www.avon-rubber.com	UK +44 1225 861100
Mehren	Peroxide EPDM gasket. Sample ID: 22.95.8419.0	01.10.2003	www.mehren.no	Norway +47 337 85500
	Mehren Gasket	18.06.2002		
PRODEX	Prodene 404 Prodene 503 Prodene P524 Prodene P704	Q4 2011	www.prodex-elastomeres.com	France +33 237 257 783
Reddiglaze	Reddiglaze EPDM	17.09.2002	www.reddiglaze.com	UK +44 1905 795432 (also export into Europe)
Rehau AG	Wooden frame gasket	17.09.2002	www.rehau.com	Germany +49 9131 92 5362
	Dry EPDM gasket	13.12.2002		
SAPA	RU1600 EPDM gasket	01.06.2009	www.sapabuildingsystems.co.uk	UK +44 1684 853 500
SAPA	DFC1510 gasket	01.11.2010	www.sapabuildingsystems.co.uk	UK +44 1684 853 500
Semperit	Dry EPDM 2631 and 2610	10.10.2006	www.semperit.at	Germany +49 991 27020; Austria +43 2630 310 214; France +33 1 30 25 87 25; Italy +390425 410 680 (Roiter); Sweden +46 8 88 04 20; Netherlands +31 33 245 8324; UK +44 118 921 4801
Trelleborg	Trelleborg Extruded Gasket	01.09.2002	www.trelleborg.com/industrialprofiles	Sweden +46 370 48191; UK +44 121 352 3873; Norway +47 648 66160; Finland +358 3314 30900; Denmark +45 75 64 72 52; France +33 556 70 25 95; Belgium +32 55 20 67 64; Germany +49 626 192350; Poland +46 42 613 6322; export from Sweden +46 381 60519

Tremco	Peroxide EPDM 65	09.01.2003	www.tremcoeuropa.com	UK +44 1753 691696; Germany +49 2405 426662; Netherlands +31 55 533 6062; Sweden +46 31 57 00 10; Finland +358 95 499 4500; France +33 1 34 58 57 00; Italy +390 2 98 281854; Norway +47 2 32 71 70
Veka Ltd	VISIONstrip	01.08.2009	www.vekauk.com	UK +44 1282 716611
	70 Duro EPDM	09.01.2003		
	60 Duro EPDM	09.01.2003		
	SCR 900-70	09.01.2003		
	VEKA Extruded EPDM	15.01.2003		
Wilfried Becker GmbH	04150136, 04150138 and 04150145	1.5.2007	www.baulager.de	Germany +49 2131758100

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 +44 121 344 4100
FinnProfiles Oy	TPE 57SHA	13.11.2002		Finland +358 8 817 6090
Linear	TPE 4100-101	02.09.2002		UK +44 1325 375126
	TPE 4058-101	02.09.2002		
Profile 22	TPE Dry	15.01.2003	www.profile22.co.uk	UK +44 1952 290910
Reddiglaze	Reddiglaze TPR	02.09.2002	www.reddiglaze.com	UK +44 1905 795432 (also export into Europe)
Secil Rubber Industry & Trading Inc	Black gasket (dry)	07.07.2014	www.seciltr.com	Turkey +90 324 616 1140 (Contact: Sedat Ergezer)
Slottseal Extrusions Ltd	Slottseal Gasket	01.11.2002		UK +44 1604 759535

1.5 Other Dry Gaskets

Supplier	Product Name	Date Tested	Website	Telephone	
BIW Isolierstoffe GmbH	Silicon P60	-	www.biw.de	Germany +49 2333 83080	
Deflex-Dichtsysteme	Dry silicone gasket	01.12.2002	www.deflex.de	Germany +49 203 31808-0	
Eurocell	Eurocell E Gasket	15.5.2006	-	UK +44 01246 205577	
FinnProfiles Oy	Silicone 65 SHA extruded or baked silicone versions	13.11.2002		Finland +358 8 817 6090	
Hermann Gutmann Werke AG	Silicone gasket 750010 + 750011	Q2 08	www.gutmann.de	Germany +49 9141 9 92 - 0	
Hydro Polymers	VA 2010	27.09.2004	www.hydro.com	Norway +47 22 53 81 00	
Leeser GmbH	dry foamed rubber	Q2 08	www.leeser.de	Germany +49 2433 4508 – 247	
Metal Technology	CA25	SD36	1.12.07	www.metaltchnology.com	UK +44 2894 487777 (Fax 02894 487878)
	CA26	SD37			
	CA27	SD115			
	CA28	SD134			
	CA29	CW11			
	CS55	CW12			
	CS63	HR5059			
	WB757	HR50120			
	058	HR50121			
	063	VS122			
	066	VS123/BK	21.01.2009		
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 +44 121 526 4048	
Ravenscroft Plastics	Sapa C4169	07.03.2003	www.ravenscroft.co.uk	UK +44 1684 292272/299669	
Reddiglaze	Reddiglaze PVC Dry Vinyl	02.09.2002	www.reddiglaze.com	UK +44 1905 795432 (also export into Europe)	
Rehau AG	Dry silicone gasket	13.12.2002	www.rehau.com	Germany +49 9131 92 5362	
REIFF Technische Produkte GmbH	Silicone rubber gaskets formulation No. 3056674_001	12.05.2014	www.reiff-gruppe.de	Germany +49 7121 323-436 (Contact: Hans-Peter Kilgus)	
SAPA Building Systems (UK)	VSW gasket (PVC Nitrile) C520	June 2011	www.sapabuildingsystems.co.uk	UK +44 1684 853 500 (Fax +44 1684 851 850)	
Schlegel	Q-Lon Dry Foam	18.12.2001	www.schlegel.co.uk	UK +44 1462 815500; Germany +49 407 33290; Italy +390 221 36115; Belgium +32 59 270300	
Senior Aluminium Systems	SMRTB4, SCG24, SW4G, SWFS, SWW6, SWDG, SWRG, SWDG02, SPGRG, SW4ATH, SRA35311, SMRG2, SRG10, SRA34025, SCWG, SWRG3, SWW4, SRG6, SSG201, SW3B, SW27G, SRA353111, SWW8, SW4C2, SW4B	April 2008	www.senioraluminium.co.uk	UK +44 1790 772600, Fax +44 1709 772601	
Silex GmbH	Tempered Silicone Gasket	01.11.2005	www.Silex-silikon.de	Germany +49 2323 98644-0	
	Silicone foam	Q2 08			

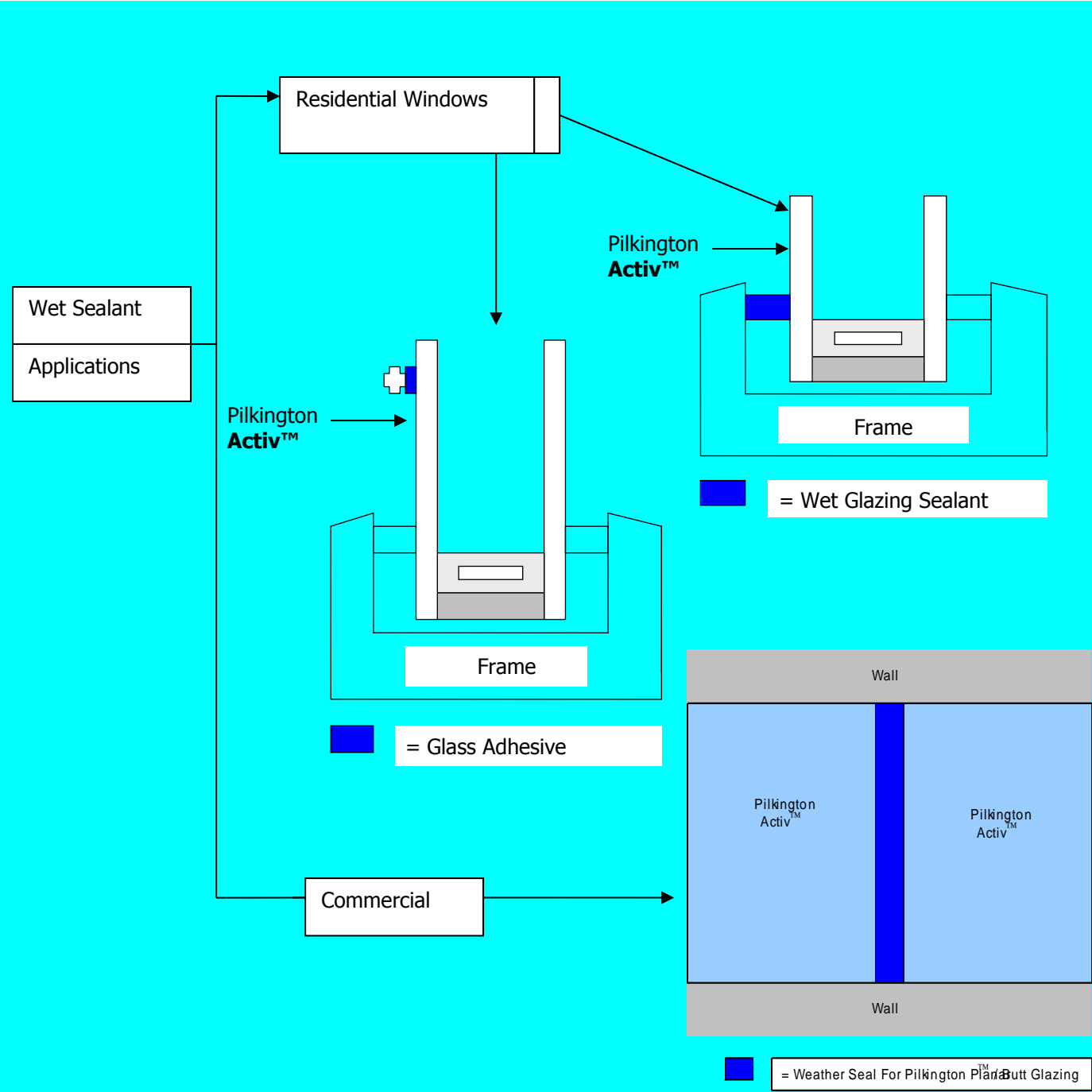
Sipro (Saint Gobain Performance Plastics SIPRO GmbH	Silproslide Type A black dry silicone gasket	01.12.2002	www.sipro.de	Germany +49 611 92813-0
-----------------------------------------------------------	-------------------------------------------------	------------	------------------------------------------------	-----------------------------------

1.6 Glazing Tape / Material Systems

Supplier	Product Name	Date Tested	Website	Telephone
3M	Acrylic Foam 4941 P	14.05.2003	www.mmm.com	Global +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	UK +44 1773 821215
	sponge glazing tape	26.03.2003		
Biolink - from UK Industrial Tapes Ltd	ProLink 1500R, FoamLink 1603H	17.04.2003	www.ukindustrialtapes.co.uk	UK +44 191 487 3255
Hodgson Sealants	Profile Tape 8x4	01.12.2002	www.hodgson-sealants.co.uk	UK +44 1482 868321
	Foam Sekure XD (for upvc or timber)	01.12.2002		
	Flexi Bond 15x3	01.12.2002		
	Flexi Strip 15x5	01.12.2002		
	Colourglaze Putty	10.2006		
	Butyl Glazing compound			
	Rapid Set Putty			
	Linseed Oil Putty (Check Application Compatibility)			
Multipurpose Putty				
Illbruck Sealant Systems Uk	Alfas Glasket (Glazing Tape)	10.06.2003	www.illbruck.com	UK +44 191 419 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		
Illbruck	Butyl tape ME403	03.2012	www.tremco-illbruck.com	Germany +49 2203 57550 600
Kawo	KAWO Vorlegeband (Art.Nr.4060905)	01.08.2004	www.kawo.de	Germany +49 5121 76 1935
	KAWO Vorlegeband (Art.Nr.4060905)	01.08.2004		
Metal Technology	Butyl backed foil tape – HR5064	06/2008	www.metalttechnology.com	UK +44 2894 487777 (Fax +44 2894 487878)

Scapa Group	A1178 A1179 A1138 A1130TP A11TO A177A A1139 A1130TL A11BO A1270 A1100 3259 3257 A1160 A1170	3594 3507 5169 5179 5464 5404 5164 3099 3209 5189 5469 3154 3509 3589 5409	08.08.2009	www.scapa.com	UK +44 161 301 7400 France +33 475 448 000 Italy +39 0161 867 311 Germany +49 800 72387 62
Scmid Baukunststoffe	Butyl Tape		01.01.2005	www.scmid- baukunststoffe.de	Germany +49 35341 10 000
Shand Higson	5189/4 (Security Glazing Tape)		17.04.2003	www.shandhigson.co.uk	UK +44151 207 5661
Tremco	Tremco 440		02.09.2003	www.tremcoeuropa.com	UK +44 1753 691696; Germany +49 2405 426662; Netherlands +31 55 533 6062; Sweden +46 31 57 00 10; Finland +358 95 499 4500; France +33 1 34 58 57 00; Italy +390 2 98 281854; Norway +47 2 32 71 70
	Tremco SST-800				
	Tremco NS tape				
	Tremco Butyl Tape				
	EPDM and Neoprene sponges				
	Polyshim				
Tesa AG	Tesaband 50560		10.2006	www.tesa.de	Germany +49 40 4909 3400
	Tesaband 50030 PVO				
	Tesaband 50550-60 Träger 7/06				
UK Industrial Tapes	ProLink 1500R		17.04.2003	www.ukindustrialtapes.c o.uk	UK +44 (0)191 487 3255
	FoamLink 1603H		17.04.2003		
Venture Tape	VG132, VG116, VG108, VG1316 (Security Glazing Tape)		22.04.2003	www.venturetape.com	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 products offer improved UV resistance and durability compared with MS Polymer based sealants and are certified to external standards (e.g. ISO 11600, further details are available from the individual sealant suppliers).

As with all approved sealants these materials have been tested for compatibility with Pilkington Activ™. These sealants are suitable for both residential and commercial applications. As with all sealant applications, checks with the sealant supplier that the material is suitable for the intended application should be undertaken.

Note. Henkel have withdrawn their SCG TEC sealant, which is no longer commercially available.

Use	Supplier	Product Name	Date Tested	Website	Telephone
Residential/ Commercial Sealant	ATE Distribution	Sealclean	1.11.2008		France +33 145 60 43 14
Residential/ Commercial Sealant	Dana Lim	SCG Sealer 521	26.11.2008	www.danalim.dk	Contact via website
Residential/ Commercial Sealant	Dow	Dow Corning 757	1.12.2007	www.dow.com	<p>UK – Contact UK Distributor Geocel Tel. +44 1752 202060 - www.geocel.co.uk</p> <p>Austria, Germany, Poland, Switzerland & Eastern Europe DOW CORNING GmbH Tel: +49 611 237 906 Fax: +49 611 237 603</p> <p>France and North Africa DOW CORNING France S.A. Tel: +33 4 72 84 13 60 Fax: +33 4 72 84 13 79</p> <p>Italy & Eastern Mediterranean Countries DOW CORNING S.p.A. Tel: +39 02 98832 1 Fax: +39 02 9880483</p> <p>Russia DOW CORNING Representation Office Tel.: +7 495 783 6648 Fax: +7 495 783 6652</p> <p>Spain and Portugal DOW CORNING Iberica S.A. Tel: +34(0)93 405 12 15 Fax: +34(0)93 405 38 94</p> <p>Turkey Dow Corning Liaison Office Turkey Tel: +90 216 4677645 (211) Fax: +90 216 4673909</p> <p>All other countries Please contact the Dow Corning Technical Information Center on: Tel. +49 611 237 778 eutech.info@dowcorning.com</p>
Residential/ Commercial Sealant	Geocel	Geocel 920	01.03.2010	www.geocel.co.uk	UK +44 1752 334 350

Residential/ Commercial Sealant Residential/ Commercial Sealant	Merz and Benteli AG	Gomastit VG27	10.10.2006	www.merz- benteli.ch	CH +41 31 980 48 48 (Fax +41 31 980 48 49)
		Merbenit UV27	01.03.2010		
Residential/ Commercial Sealant	Soudal	SMX 505	31.05.2005	www.soudal.com	UK +44 1827 261092
Residential/ Commercial Sealant	Soudal	SMX 506 ISO 11600 20LM	01.04.2010	www.soudal.com	UK +44 1827 261 092

2.2 Wet Glazing Sealants – MS / Hybrid Technology

MS Polymer / Hybrid based sealants have been tested for compatibility with Pilkington Activ™. Suitability of these sealants for the intended application must be discussed with the individual manufacturer.

Use	Supplier	Product Name	Date Tested	Website	Telephone
Residential Sealant	Adolf Würth GmbH & Co. KG	Würth Sabesto Aktivglas Dichtstoff	10.10.2006		Adolf Würth GmbH & Co KG Kunzelsau, Germany
Residential Sealant	AKEMI GmbH	Quick Sealfix	22.06.2014	www.akemi.com	Germany +49 911 642960 (Contact: Josef Schoeffi)
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	Netherlands +31 162 49 1000 Belgium +32 2 358 3556 Germany +49 5481 941510 Poland +48 618 143504 Greece +30 1 765 1365 Austria +43 263 341 399 Italy +390 461 534 388 UK (Siraflex) +44 1226 771600 France +33 3 44 91 68 68 Denmark +45 755 81230 Finland +358 201 980610
Residential Sealant	EGO	EGO MS808	01.07.2006	www.ego.de	EGO Dichtstoffwerke GmbH & Co. KG, Lilienthalstrasse 7,82205 Gilching Germany +49 08105 217-0
Residential Sealant	Fenotherm	Fenotherm MS Sealant	01.11.2008		Fa. Fenoplast Fügtechnik GmbH
Residential Sealant	KENT (Premier Industrial Ltd)	KENT Rotabond 2000 with KENT MS Prep Primer	01.05.2001	www.kenteurope.com	Belgium +32 (0)2 725 93 93 Denmark +45 4917 7888 France +33 1 30 95 40 60 Germany +49 02154 956736 Italy Free on 800 011 780 or +39 011 64 77 311 Netherlands +31 499 331919 Spain +34 91 883 50 54 Sweden +46 44 700 51 UK +44 1403 213349 KENT Distributors: Austria (Hubert Pokorny GmbH-) +43 2236 64939 Croatia (Pobus d.o.o) +385 513 323906 Estonia (Ou Kevamer Av) + 372 44 25 892 Finland (Jasper Oy) +35 833 450 580 Norway (C Frimann-Dahl AS) +47 22 51 17 00 Poland (Luna Polska sp. z o.o) + 48 32 208 6541 Slovenia (AT Team D.o.o) +386 15193333 Switzerland (Halco Trade) +41 14 348040

Residential Sealant	Ramsauer GmbH	Glasdicht 300	06.2008	www.ramsauer.at	Austria +43 6135 8205 - 0
Residential Sealant	Selena FM S.A. Poland	Sealant MS Cristal 131276 (QMS 320)	11.2012	www.selena.com	PL +48 71 78 38 290
Residential Sealant	Sika Schweiz AG	Sikasil WS-680 SC	04.2010	http://che.sika.com/	CH +41 56 649 31 11
Residential Sealant	Soudal	Soudaseal 4 all paint	01.01.2005	www.soudal.com	UK +44 1827 261092
Residential Sealant	Tremcoillbruck	Perennator SC805 MS580	04.2010	www.tremcoillbruck.com	DE +49 2203/57550-0 (Fax +49 2203/57550-90)
Residential Sealant	tremcoillbruck	Illbruck SP 030 (adhesive/sealant - SP polymer technology)	01.06.2016	www.tremcoillbruck.com	UK e: richard.willetts@tremcoillbruck.com
Residential Sealant	tremcoillbruck	Illbruck SP 525 (low modulus sealant - SP polymer technology)	01.06.2016	www.tremcoillbruck.com	UK e: richard.willetts@tremcoillbruck.com
Residential Sealant	Ultraframe	ADV007	06.2008	www.ultraframe-conservatories.co.uk	UK +44 01200 443311 (Fax: +44 0870 414020)

2.3 Tapes and Adhesives

Use	Supplier	Product Name	Date Tested	Website	Telephone
Glass Adhesives	Bostik	Bostik Hybrid 2640	25.02.2003	www.bostik.com	Austria +43 5425 801-0; Belgium +32 2 370 20 62; Denmark +45 448 41 500; France +33 1 64 42 12 12; Germany +49 69 8900 10; Ireland +353 1840 14 61; Italy +390 2 24 10 93 1; Netherlands +31 165 590 590; Spain +34(93)586 0203; Switzerland +41 5425 801-0; UK +44 116 251 0015
		Bostik Hybrid 2620	04.05.2004		
		Uretan 2637	25.02.2003		
		Glasil Super	04.05.2004		
Georgian Bar Tape	illbruck Sealant Systems UK	Alfas GBT General Bonding Tape	10.06.2003	www.illbruck.com	UK +44 (0)191 419 0505
		Alfas FAT Foamed Acrylic Tape	10.06.2003		
Tape	tremco illbruck	illbruck ME 402 Compriband Ali-Tape PB (sealant tape)	09.06.2016	www.tremco-illbruck.com	UK e: richard.willetts@tremco-illbruck.com
		illbruck ME 403 Butyl Band (sealant tape / filler)			
		illbruck ME 407 Butyl Tape NT			
Tape	Kent Industrial	Butyl HT Ivory	10.10.2006	www.kenteurope.com	Belgium +32 2 725 93 93; Denmark +45 4917 7888; France +33 1 30 95 40 60; Germany +49 02154 956736; Italy Free on 800 011 780; Netherlands +31 499 331919; Spain +34 91 883 50 54; Sweden +46 44 700 51; UK +44 1403 213349
Protective tape	Scapa	Scapa 2903 low-tack protection tape	06.06.2009	www.scapa.com	UK +44 161 3017400
Georgian Bar Tape	Shand Higson	5300	17.04.2003	www.shandhigson.co.uk	UK +44 151 207 5661
Glass Adhesives	Sika	Sikaflex 11FC	25.02.2003	www.sika.co.uk	UK + 44 1707 39 44 44
		Sikafast 5215	24.02.2003		
Georgian Bar Tape	Technibond	Technibond double sided tape	27.06.2002	www.technibond.co.uk	UK +44 1628 642800
Glass Adhesives	Würth	Zebra MS Polymer Adhesive	25.02.2003	www.wurth.com	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 glazing sealants

2.4 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 is available from the supplier.

Product Type	Supplier	Product Name	Date Tested	Website	Telephone
MS Polymer	Soudal	Soudaseal 215LM	11.03.2004	www.soudal.be	Belgium +32 14 42 42 31
MS Polymer	Würth Denmark	MS20 Multifuge	1.7.2007	www.wuerth.dk	Denmark +45 79 323 242

3.0 Commercial Glazing Systems

Supplier	Gasket Name	System Name	Date Tested	Website	Telephone
DRL	Grey Silicone Gasket	DRL Curtain Wall	23.05.2003	www.oskomera.nl /DR	UK +44 1684 853500
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	www.heywoodwilliams.com	UK +44 1484 487200
Kawneer	953-272 (R5961)	1202 curtain wall, 1203 Slope glazing, and 1612 curtain wall systems.	20.03.2003	www.kawneerurope.com www.alcoa.com	France + 33 (4)67 87 77 55; Germany + 49 2374 936 0; Ireland + 353 1 450 8809; Netherlands + 31 (0)341 464611; UK + 44 (0)1928 502500; USA +1 770 449-5555
	271-921		01.04.2005		
	953-273 (R5960)		20.03.2003		
Rehau	Rehau Weldable dry gasket (possibly known as Rauprene)		07.03.2003	www.rehau.com	Benelux, Denmark, Finland, Norway, Sweden: 09131 925 392; Switzerland: 09131 925 483; France: +33 38 70 55 807; UK: +44 19 89 762641; Poland: +48 618 49 8451

Santoprene	691-62W221 (beige)	For aluminium and wooden windows	22.05.2003 22.05.2003 22.05.2003 22.05.2003	www.santoprene.com	France +33 1 41 457720; Germany +49 221 74907-0; Italy +39 02 8803452; Poland +48 22 6063972; Spain +34 936 002 150; Sweden +46-31-63-82-90; UK +44 1162 896122
	8691-58W805 (range of light colours)				
	8221-60 (white)				
	8221-70 (white)				
Sapa	TPE non-lubricated gasket	W274E	01.04.2005	www.sapagroup.com /uk/buildingsystems	
	TPE non - Lubricated	105/87, 105/88, 105/89, 105/90, 105/91, 105/135. 105/140, 105/166	01.08.2005		
	TPR	Gasket ref. RG110	10/2006		
Schüco	224 063 (with yellow stripe)	Window systems: Royal S 45, 50, 50N, 65, 65AK, 70B and 70BS	07.03.2003	www.schueco.de	Germany +49 5 21 7830; UK +44 1908 282 111
	224 606	Curtain Walling systems: FW50 ⁺ , FW60 ⁺ , FW50 ^{+.1} , FW60 ^{+.1}	07.03.2003		
Schüco can offer alternative lubricants with their systems. To avoid misunderstandings please note on your order that you want to use Pilkington Activ™.					
Technal Viking	FX607G	Fxi Casement Window Suite: Fxi 46, Fxi 52, Fxi 65	07.03.2003	www.technal.co.uk	UK +44 113 2961400
	MC6906	MC Curtain Wall range (fully framed systems)	07.03.2003		
	MC6906	MC Curtain Wall range (fully framed systems)	07.03.2003		

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

Under no circumstances should extra lubricant be used during installation.

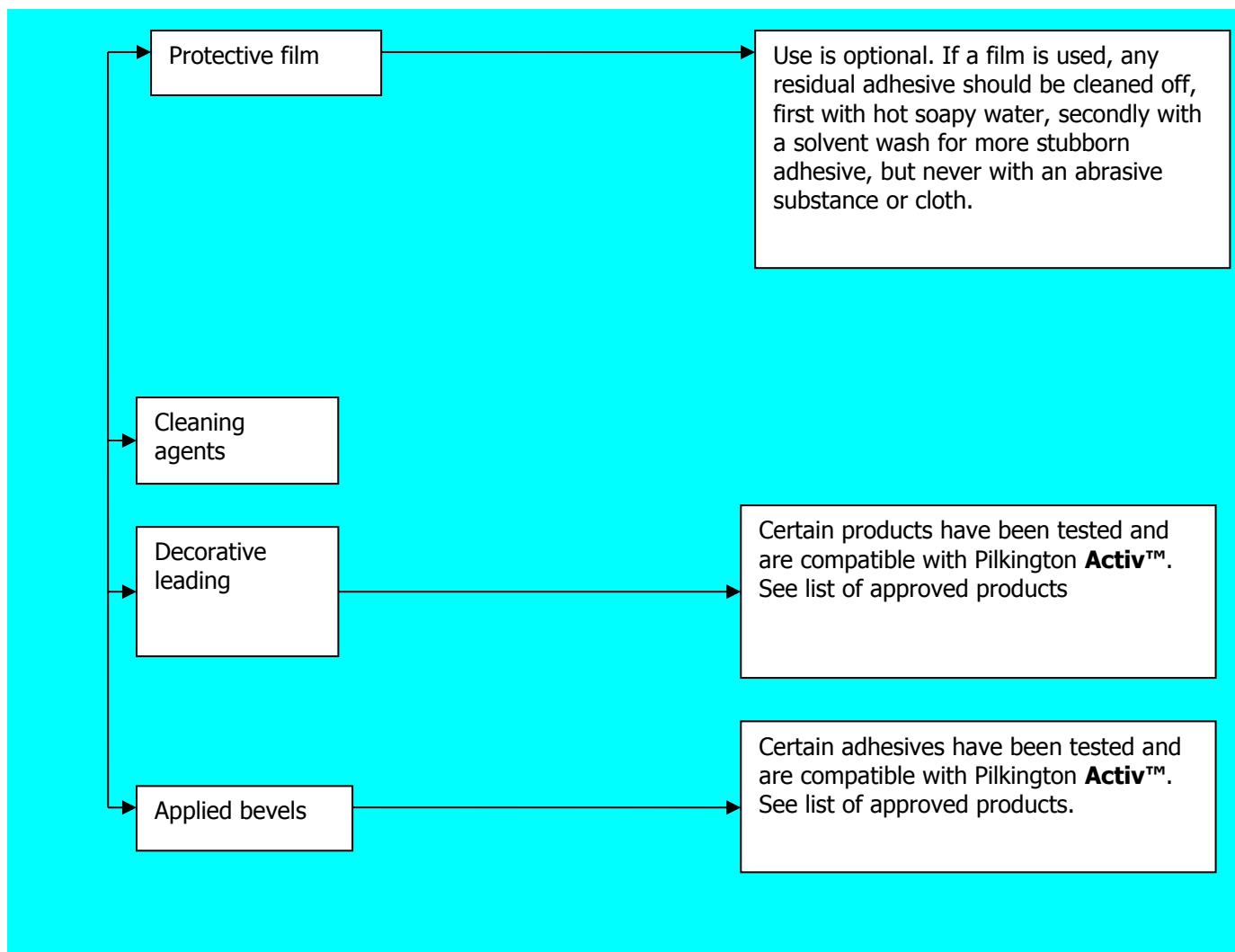
Please check with your supplier to ensure gaskets lubricated with silicone emulsion are NOT used in sloped installations.

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.

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

4. Miscellaneous



4.1 Protective Films

Supplier	Product Name	Date Tested	Website	Telephone
Forstner Glass	Protective film ECO coat	04.2012	www.forstnerglass.com	Austria: +43 676 411 7011
Nava Center Oy	Navaflex 15-1	01.12.2002	www.navacenter.com	Finland +358 8 443 596
Nitto	AP4058RL	01.12.2002	www.nittoeurope.com	France +33 297 46 92 00 (MEI)
Novacel	4331	01.03.2005	www.novacel.fr	UK +441582 583294
Shand Higson	2903	17.04.2003	www.shandhigson.co.uk	UK +44 151 207 5661
Spraylat	Glasstrip UV Resist PC100	01.12.2004	www.spraylat.co.uk	UK +44 1536 408409
	Glasstrip 785-3	01.01.2006		
White Mango Enterprises	PAW 55	01.06.2003	www.whitemango.com	UK +44 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	UK +44 161 946 1164
Decra Led	any lead applied with the adhesives listed below	01.03.2004	www.decraled.co.uk	Poland +48 55 235 19 25; UK +44 161 368 4491; USA +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	UK +44 161 946 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 55 235 19 25; UK +44 161 368 4491; USA +1 608 742 8386
Remco Chemie	Remcolin Siebreiniger Screen Print Cleaner	01.12.2002		Germany +49 62 216 4850

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

4.4 List of Approved Cleaning Agents

<i>Supplier and brandname</i>	Ritec Glass Cleaner
3M Scotch-Weld cleaner spray	Sidolin
Ajax 3-Fach Aktiv	Brand names of Sidolin cleaners from Henkel:
Ajax Antistatic	~ Sidolin 2 Phasen (DE)
Ajax Citrofrisch	~ Sidolin Streifenfrei Aktivschaum (DE)
Ajax Fete Des Fleurs	~ Sidolin Streifenfrei Cristal (DE)
Ajax Glass Universal Double Action	~ Sidolin Streifenfrei Zitrus-Frisch (DE)
Ajax Glasrein Zitro-Frisch	~ Instanet Ruiten / Instanet Ruiten Citron (B, NL)
Ajax Kristall	~ Clin Windows / Clin Universal (Austria, Eastern Europe)
Ajax Streak Free Professional Glass Cleaner	~ Bref Vitre / Bref Vitre Citron (F)
Ajax Tip-Top	~ Bref Multiuso (IT)
Ajax Window Cleaner	~ Tenn Crystales e Superficies / Tenn Multiusos (S)
Bluesky glass cleaner	~ Sonasol Vidros / Sonasol Vidos e Superficies (Pt)
Bluesky Sky Shield	~ Sidolin Christal
Bohle Glasreiniger BO 5107800	~ Sidolin Zitrus
CIF Window Wipes	Safeway Vecta Window Cleaner
Cleani Glass Universal	Spontex Glass Wipes
Cosmofen 10 and 20 (with water rinse)	Spray Clean Glass Universal
Decra Clean	Sure Chemicals Ltd
Denk Mit Glasreiniger	- Premier Exterior Cleaner (Purple)
Domol Glasklar	<i>Product code: SF THO 03</i>
Elite Force 2000 UPVC Cleaner	- Premier Exterior Cleaner (Red)
Elite Force Extra Strength	<i>Product code: SO24</i>
Ettore Squeegee Off (concentrate)	- Premier Interior Cleaner
Fenosol S10 (For PVC)	Product code: SF THO 02
Frosch Spiritus Glas-Reiniger	[1 part cleaner to 20 parts water]
Graffiti Wipes (Ritec International)	- Acidic Glass Cleaner 584 / 585
Gunge Wipes (Ritec International)	UVTek Profesional Glass Cleaner
HG glazenwasser, HG le lave vitre des Pros	Wilko Window Cleaner
HG window cleaner, HG Fensterputzer	Würth Cleaners
Innotec Easy Clean	Active glass cleaner (No. 890.25)
Kent Glas Kleen 40-1 Superkonzentrat	Ready diluted glass cleaner (No. 892.332.840)
Kent Glas Kleen Netoiie Vitres	Cleaner Type 10 (No. 892.100.10)
Kent Rotanium Soft Surface Cleaner (article No. 83950)	Cleaner Type 20 (No. 892.100.11)
Kent Surface Cleaner (article No: 83926)	Available from:-
Kristall Fenster	<i>Winzer Würth Industrial Ltd, Catteshall</i>
Mr Muscle Window Cleaner	<i>Lane, Godalming, Surrey, GU7 1NP</i>
Nationwide Glass Cleaner	<i>Tel; 01483 412800 Fax; 01483 412805</i>
Nova Window Cleaner	<i>E-mail; sales@winzerwurth.co.uk</i>
	Zack Glasreiniger

IMPORTANT NOTICE

The use of silicone removers / abrasive cleaners on Pilkington **Activ™** is considered as a remedial action which should only be undertaken after consultation with the NSG Group Technical Advisory Service. Due to the nature of these materials, work should only be undertaken after reading the manufacturers' relevant safety literature. NSG Group 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 NSG Group'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

Radora Brillant Fensterglanz – Slightly Abrasive -Contact: Klaus Messmer + 497531 7 71 36

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

5.1 Pilkington **Activ™** Products

Pilkington **Activ™** Clear – **4 mm, 6 mm, 8 mm, 10 mm**

Pilkington **Activ™** Blue – **4 mm, 6 mm, 10 mm**

Pilkington **Activ Suncool™** 70/40 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** 70/35 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** 66/33 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** 50/25 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** Blue 50/27 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** Silver 50/30 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** 40/22 – **6 mm, 8 mm, 10 mm**

Pilkington **Activ Suncool™** 30/17 – **6 mm, 8 mm, 10 mm**

Pilkington Activ SunShade™ Blue – **4 mm**

Pilkington **Activ SunShade™** Neutral – **4 mm, 6 mm**

Pilkington **Activ Optitherm™** S3 - **various thicknesses from 4 to 10 mm**

Pilkington **Activ Optilam™** - **various thicknesses and interlayers from 8.8 – 12.8**

Pilkington **Activ Suncool Optilam™** - **coatings and thicknesses as above**

Pilkington **Activ Optilam™** Therm S3 - **various thicknesses and interlayers from 8.8 – 12.8**

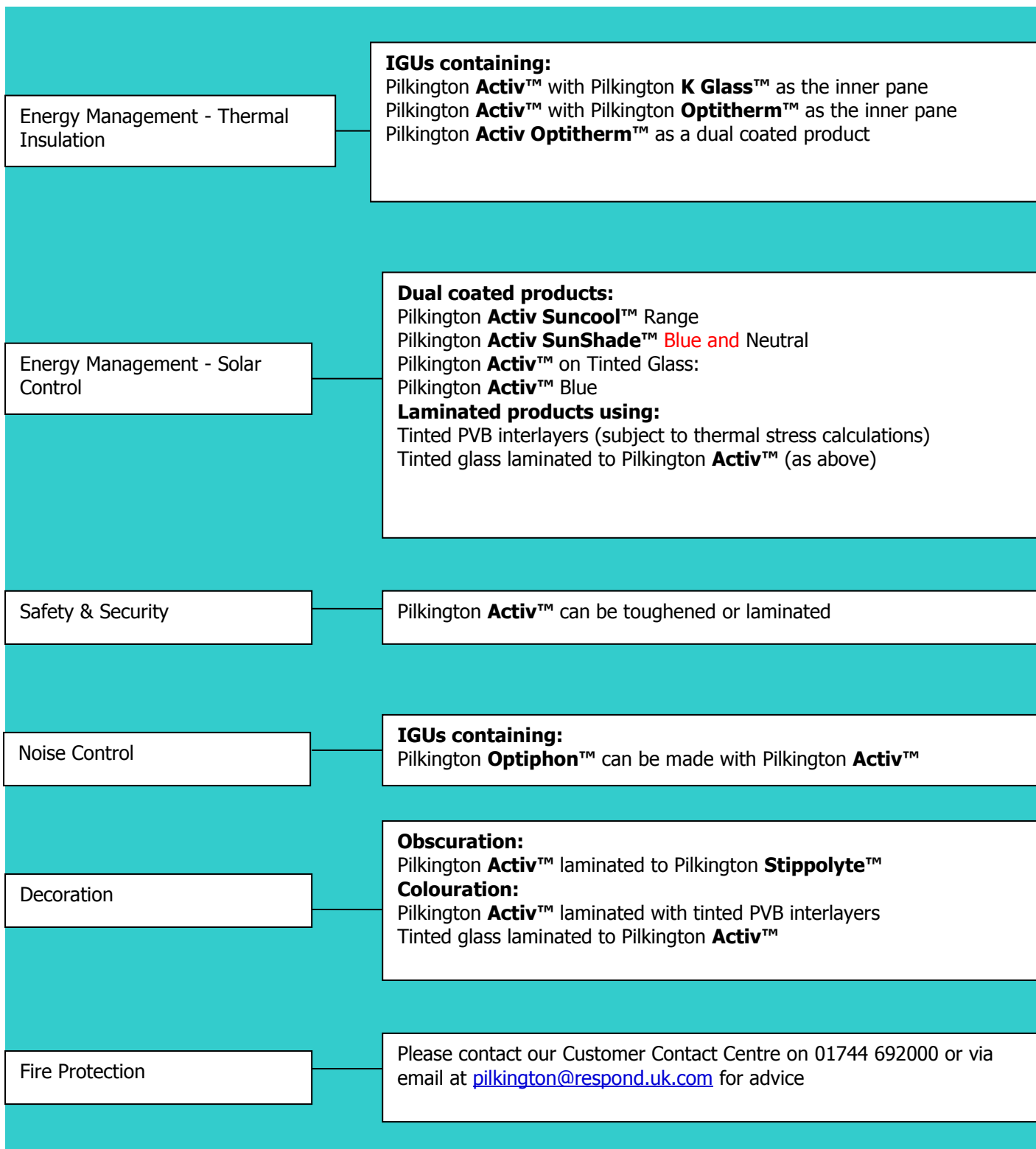
Pilkington **Activ Optiphon™** - **various thicknesses and interlayers from 8.8 – 12.8**

Pilkington **Activ Optilam K Glass™** - **various thicknesses and interlayers from 8.8 – 12.8**

Note. For more information about products: www.pilkington.com

5.2 Possible Combinations

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





Pilkington United Kingdom Limited

Registered Office: European Technical Centre, Hall Lane, Lathom, Nr Ormskirk, Lancashire L40 5UF

Telephone 01744 692000 Fax 01744 692880

pilkington@respond.uk.com

www.pilkington.co.uk