

## DECLARATION OF COMPLIANCE

### Single Blade Squeegees

Product Name	Product Code	Size	Colour	DOC Material
Single Blade Squeegee, with Internal Thread	S4030	300mm	WT, BL, RD, YL, GN	PP / Cawiton PR 5018B
Single Blade Squeegee, with Internal Thread	S4040	400mm	WT, BL, RD, YL, GN, BK, OR, PU, GY, BN, PK	PP / Cawiton PR 5018B
Single Blade Squeegee, with Internal Thread	S4050	500mm	WT, BL, RD, YL, GN	PP / Cawiton PR 5018B
Single Blade Squeegee, with Internal Thread	S4060	600mm	WT, BL, RD, YL, GN, BK, OR, PU, GY, BN, PK	PP / Cawiton PR 5018B
Single Blade Squeegee, with Internal Thread	S4070	700mm	WT, BL, RD, YL, GN, BK, OR, PU	PP / Cawiton PR 5018B
Handheld Single Blade Squeegee	S3024	300mm	WT, BL, RD, YL, GN, BK, OR, PU	PP / Cawiton PR 5018B
Single Blade Condensation Squeegee, with Internal Thread	S5540	400mm	WT, BL, RD, YL, GN, BK, OR, PU, GY, BN	PP / Cawiton PR 5018B

**Squeegee Block:** We confirm that the squeegee block for the above mentioned products fulfill the requirements on materials and articles used for food contact as described in the European Regulation 10/2011/EC as amended up to and including 202/2014/EC. The master batches are furthermore in compliance with European Resolution Res AP (89) 1.

The following substances also authorised as direct food additives (dual use additives) are present in the products:

- **Ref no. 24550, Stearic Acid**
- **Ref no. 56585, Glycerol, Esters with Stearic Acid**
- **Ref no. 92080, Talc**

Furthermore, the various colours contain the following dual use additives:

- **White, Blue, Yellow, Green, Purple and Grey:** TiO<sub>2</sub> and Calcium Stearate
- **Red and Orange:** TiO<sub>2</sub>, CaCO<sub>3</sub> and Calcium Stearate
- **Brown:** RiO<sub>2</sub>, Iron Oxide and Calcium Stearate

The squeegee block does not contain a functional barrier as defined in Regulation 10/2011/EC as amended up to and including 202/2014/EC

The squeegee block does not apply any danger to health or environment according to article 3 in Framework Regulation 1935/2004/EC. The items are manufactured according to Regulation 2023/2006/EC on good manufacturing practice. The items comply with current EU-legislation on plastic materials and articles intended for food contact as described in EC Regulation 10/2011/EC as amended up to and including 202/2014/EC and the Danish executive order no. 822 of 26/06/2013

**FDA (American Food and Drug Administration):** All raw materials to the squeegee block are in compliance with FDA-CFR 21 / Food code 2009.

**EU regulations:** Made in accordance with EU regulations; 10/2011/EC as amended up to and including 202/2014/EC, 1935/2004/EC, 2023/2006, 579/2011/EC. EU directive; 93/43/EEC.

**Rubber:** Herewith we declare that the raw material components used in Cawiton PR5018B, rubber used for above mentioned products, respectively, possesses approval for food contact applications:

The styrene Block Copolymers used (SEBS, SEEPS) are compliant with FDA, Title 21CFR 177. 1810 (b)(3) and FDA FCN No. 63, respectively.

The polypropylene used complies with FDA 21 CFR 177.1520 (a)(1)(i), (b) and (c)(1.1a) Olefin Polymers.

The polyphenylene oxide (PPO) used complies with FDA, Title 21 CFR 172.878 and Title 21 CFR 178.3620 (a).

The mineral filler is qualified for usage as an indirect food additive in food packaging applications under FDA 21 CFR 174.5, 175.300, and 178.3297.

European Union – Statement Food Contact Compliance EU. (Commission Regulation No. 10 (2011) related to Plastic Material and Articles intended to come into contact with foodstuffs.: The Styrene Block Copolymers, the polypropylene resin and polyphenylene oxide (PPO) used meet the relevant requirements of Framework Regulation 1935/2004/EC, so far applicable for 2 plastic raw materials, used for articles or components of articles intended to come into contact with food. The monomers, starting substance and additives (incl. the plasticizer) used are listed in Annex I of the consolidated Commission Regulation No. 10 (2011) as amended, related to Plastic Materials and Articles intended to come into contact with foodstuffs. Applicable restrictions are available on request (supplier proprietary information). The mineral filler complies with EB71-3.

## Chemical Resistance of Cawiton Compounds (PR5018B)

Chemical resistance of general Cawiton® SBS and SEBS grades.

Acetic acid 5%	S	Acetone	U	Ammonia	S
Bleach	L	Butter	L	Cola beverage	S
Detergent 30%	S	Ethyl acetate	U	Ethyl alcohol, diluted	S
Ethyl alcohol, 96%	L	Gasoline	U	Hydrochloric acid, 3N	S
Hydrogen peroxide, 6%	S	Mayonnaise	L	Ketchup	S
Hand lotion	S	Methyl alcohol	L	Milk	E
Mineral oil	L	Nitric acid, 3N	S	Orange juice	S
Salad oil	L	Sodium hydroxide, 3N	S	Sulfuric acid	S
Turpentine	U	Toluene	U	Water	E

**Key:** E = Excellent S = Satisfactory L = Limited U = Unsatisfactory

		SN940 Value change		
Medium	Test condition	Weight %	Volume %	Hardness Shore A
Acetic acid 10%	7 days / RT	NR	NR	NR
	14 days / RT	NR	NR	NR
	21 days / RT	NR	NR	NR
Acetone	7 days / RT	-23	-30	+14
	14 days / RT	-22	-29	+13
	21 days / RT	-16	-22	+10
Brake fluid	7 days / RT	-5	-7	-3
	14 days / RT	-7	-10	-2
	21 days / RT	-8	-12	-2
	70 hours/ 120oC	-23	-33	+21
	7 days/ 120oC	-23	-33	+23
Butanol	7 days / RT	NR	NR	NR
	14 days / RT	NR	NR	NR
	21 days / RT	NR	NR	NR
Chlorine solution	7 days/ RT	-0.1	-0.1	0
Coolant (Glysantine: distilled water = 1:1)	7 days/ 90oC	+4	+4	-5
	14 days/ 90oC	+6	+7	-5
	21 days/ 90oC	+9	+12	-13
Coolant (Glysantine: distilled water = 1:1 =+1% Kutwell 40)	7 days/ 90oC	+0.2	+0.2	-1
	14 days/ 90oC	+0.2	+0.2	-1
	21 days/ 90oC	+0.2	+0.2	-1
Distilled water	7 days/ 80oC	+0.6	+0.6	0
Ethanol	7 days / RT	-7	-9	+2
	14 days / RT	-7	-9	+2
	21 days / RT	-7	-9	+1
Ethyl acetate	7 days / RT	-18	-25	+2
	14 days / RT	-18	-26	+4
	21 days / RT	-19	-26	+5
Ethylene Glycol	7 days / RT	+1	+0.2	-1
	14 days / RT	+2	+1.5	-2
	21 days / RT	+3	+3	-4
Formic acid 10%	7 days / RT	+22	+26	+6
	14 days / RT	+43	+53	-11
	21 days / RT	+63	+74	-15
Formaldehyde	7 days / RT	+9	+11	-5
	14 days / RT	+17	+19	-7
	21 days / RT	+24	+26	-8
Gasoline A (Isooctane)	7 days / RT	+4	+19	-7
	14 days / RT	+5	+20	-10
	21 days / RT	+4	+19	-8
Gasoline B (Isooctane: Toluene = 7:3)	7 days / RT	NR	NR	NR
	14 days / RT	NR	NR	NR
	21 days / RT	NR	NR	NR
Gasoline C (Isooctane: Toluene = 1:1)	7 days / RT	NR	NR	NR
	14 days / RT	NR	NR	NR
	21 days / RT	NR	NR	NR
Gasoline fam. 2	7 days / RT	NR	NR	NR
	14 days / RT	NR	NR	NR
	21 days / RT	NR	NR	NR
Grease (Multi-purpose Shell Retimax A)	7 days/ 40oC	+17	+21	-6
	14 days/ 40oC	+25	+30	-7
	21 days/ 40oC	+31	+40	-12
Glycerine	7 days / RT	-0.1	-0.1	0
	14 days / RT	-0.1	-0.1	-1
	21 days / RT	0	0	-1
Hydrochloride acid	7 days / RT	ND	ND	ND
	14 days / RT	ND	ND	ND
	21 days / RT	ND	ND	ND

**Key:** NR = Not resistant ND = No data

## Chemical Resistance:

1	Acetaldehyde	R	73	Ethyl bromide	R	145	Oils Vegetable	T
2	Acetates (Low mol wt)	R	74	Ethyl chloride	R	146	Oleic acid	R
3	Acetic acid (<5%)	R	75	Ethylamine	R	147	Oxalic acid	R
4	Acetic acid (>5%)	R	76	Ethylene Chlorohydrin	R	148	Oxygen (gas)	R
5	Acetic anhydride	T	77	Ethylene dichloride	R	149	Ozone	R
6	Aceto nitrile	R	78	Ethylene glycol	T	150	Perchloric acid	R
7	Acetone	T	79	Ethylene oxide	R	151	Perchloroethylene	T
8	Acetyl bromide	R	80	Fatty acids	T	152	Phenol	N
9	Acetyl chloride	R	81	Ferric acids	R	153	Phosphoric acid (ortho)	R
10	Air	R	82	Ferric sulphate	R	154	Phthalic acid	N
11	Alcohols	T	83	Ferrous chloride	R	155	Plating solutions	R
12	Aliphatic hydrocarbons (C4 & higher)	N	84	Ferrous sulphate	R	156	Polyglycol	T
13	Aluminium Chloride	R	85	Fluoborate salts	R	157	Potassium carbonate	R
14	Aluminium sulphate	R	86	Fluoboric acid	R	158	Potassium chlorate	R
15	Alums	R	87	Fluo-silicic acid	R	159	Potassium hydroxide (med. Conc)	R
16	Ammonia (gas, liquid)	R	88	Formaldehyde	R	160	Potassium hydroxide (conc.)	R
17	Ammonium acetate	R	89	Formic acid	R	161	Potassium iodine	R
18	Ammonium carbonate	R	90	Freon	T	162	Propinal aldehyde	R
19	Ammonium chloride	R	91	Gasoline (non-aromatic)	N	163	Pyridine	R
20	Ammonium hydroxide	R	92	Gasoline (high aromaticity)	N	164	Sea water	R
21	Ammonium nitrate	R	93	Glucose (dextrose)	R	165	Silicone fluid	R
22	Ammonium phosphate	R	94	Glue (water base)	N	166	Silicone oil	R
23	Ammonium sulphate	R	95	Glycerine	T	167	Silver nitrate	R
24	Amyl acetate	N	96	Grease	T	168	Skydrol	N
25	Amyl alcohol	N	97	Hydriodic acid	R	169	Soap solutions	R
26	Amyl chloride	N	98	Hydro bromic acid	R	170	Sodium bicarbonate	R
27	Aniline	T	99	Hydrochloric acid	R	171	Sodium bisulphate	R
28	Aniline hydrochloride	T	100	Hydrochloric acid (med conc.)	R	172	Sodium bisulphite	R
29	Antimony salts	R	101	Hydrochloric acid (conc.)	R	173	Sodium borate	R
30	Aqua regia (75% HC1 25% HNO3)	R	102	Hydrocyanic acid	R	174	Sodium carbonate	R
31	Aromatic hydrocarbons	N	103	Hydrofluoric acid	R	175	Sodium Chlorate	R
32	Arsenic salts	R	104	Hydrogen peroxide (dil.)	R	176	Sodium chloride	R
33	Barium salts	R	105	Hydrogen peroxide (conc.)	R	177	Sodium ferrocyanide	R
34	Benzaldehyde	N	106	Hydrogen sulphide	T	178	Sodium hydrosulphite	R
35	Benzene	N	107	Hypochlorous acid	R	179	Sodium hydroxide (dil.)	R
36	Benzene sulfonic acid	R	108	Iodine and solutions	T	180	Sodium hydroxide (med connc.)	R
37	Benzoic acid	N	109	Iron salts	R	181	Sodium hydroxide (conc.)	R
38	Benzyl alcohol	N	110	Isopropanol (IPA)	R	182	Sodium Hypochlorite (<5%)	R

## Chemical Resistance (cont.):

39	Bleaching liquors (non-aromatic)	R	111	Kerosene	N	183	Sodium Hypochlorite (>5%)	R
40	Boric acid	R	112	Ketones (water soluble)	R	184	Sodium nitrate	R
41	Bromine	R	113	Lactic acids	R	185	Sodium silicate	R
42	Brake fluid	R	114	Lacquer solvents	N	186	Sodium sulphide	R
43	Butane	N	115	Lactic acids	R	187	Sodium sulphate	R
44	Butyl acetate	N	116	Lead Acetate	R	188	Steam (up to 40 psi)	T
45	Butyl alcohol (Butanol)	T	117	Linseed oil	N	189	Stearic acid	R
46	Butyric acid	R	118	Lithium hydroxide	R	190	Styrene	N
47	Calcium oxide (Diluted)	R	119	Magnesium chloride	R	191	Sulphur chloride	R
48	Calcium Salts	R	120	Magnesium sulphate	R	192	Sulphur dioxide	R
49	Carbon (di) sulphide	N	121	Malic acid	R	193	Sulfuric hexafluoride	R
50	Carbon dioxide	R	122	Manganese salts	R	194	Sulfuric trioxide	R
51	Carbon tetrachloride	T	123	Mercury salts	R	195	Sulfuric acid (dil.)	R
52	Chloroacetic acid	R	124	Methane	N	196	Sulfuric acid (med conc.)	R
53	Chlorine (wet)	R	125	Methanol (<40%)	R	197	Sulfuric acid (conc.)	R
54	Chlorine (dry)	R	126	Methanol (<40%)	T	198	Sulphurous acid	R
55	Chlorobenzene	N	127	Methyl chloride	R	199	Swimming pool water	R
56	Chlorobromomethane	N	128	Methyl-ethyl-ketone (MEK)	R	200	Tannic acid	R
57	Chloroform	N	129	Methylene Chloride	R	201	Tanning extracts	R
58	Chlorosulfonic acid	R	130	Milk	R	202	Tartaric acid	R
59	Chromic acid	R	131	Mixes acid (40% sulphuric, 15% nitric)	R	203	Tin salts	R
60	Chromium salts	R	132	Molybdenum disulphide	R	204	Titanium salts	R
61	Citric acid	R	133	Monoethanolamine	T	205	Toluene (toluol)	N
62	Coolant	R	134	Naphtha	N	206	Trichloroacetic acid	R
63	Copper salts	R	135	Natural gas	N	207	Trichloroethylene	N
64	Cresol	N	136	Nickel salts	R	208	Tri-sodium	R
65	Cyclohexane	N	137	Nitric acid (diluted)	R	209	Turpentine	N
66	Cyclohexanone	N	138	Nitric acid (med Conc.)	R	210	Urea	R
67	Diacetone alcohol	R	139	Nitric acid (conc.)	R	211	Uric acid	R
68	Dimethyl formamide	R	140	Nitrobenzene	N	212	Vinyl plastisol	N
69	Essential oils	R	141	Nitrogen oxides	R	213	Water	R
70	Ethers	N	142	Nitrous acid	R	214	Water (brine)	R
71	Ethyl acetate	R	143	Oils animal	T	215	Xylene (Xylol)	N
72	Ethyl alcohol (Ethanol)	T	144	Oils mineral	T	216	Zinc chloride	R

**Key:** R = Resistant   N = Non-resistant   T = Testing recommended before use

**Glass/Fork:** Fulfil the rules to be marked with the glass/fork symbol.


**Before use:** It is recommended to clean, disinfect and/or sterilise the article before use.

**After use:** Clean, disinfect (tolerates all approved disinfectants) and sterilise the article after use according to the appropriate to its intended use, using the correct chemical, concentration, time and temperature. Sterilise in an autoclave max temp. 120°C (max temp for cleaning the article 134°C).

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**Declaration of compliance in line with Annex 4 10/2011/EC**

Sheena Britton Technical Compliance Manager Klipspringer 15-03-2021		Date of Issue	15-03-2021
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