

Fortisil Product Catalogue and Technical Details - 2022

Name	Chemical	Mixing ratio	Form	Colour	Main Applications	Main Properties	Unvulcanised Form Properties				Vulcanised Form Properties			Packaging available		
							Hardness after 100% Cure (ShA)	Working Time - WT (@ 23°C)	Setting Time - ST (@ 23°C)	Visc (cP)	Tensile strength (N/mm ²)	Tear Strength (N/mm)	Elongation at Break (%)	Small Pack	Standard Pack	Large Pack
1 00A CLEAR SFX	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	Special Effects	Similarity to skin, Softness, High flexibility	23 (sh00)	25'	1h 10'	5,200	1.2	3.5	770%	1 + 1 kg	5 + 5 kg	25 + 25 kg
2 10A CLEAR LV	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	General Mouldmaking	Low Viscosity, Economical	10	10'	2h	2,000	4.0	10.0	650%	1 + 1 kg	5 + 5 kg	25 + 25 kg
3 10A CLEAR SFX	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	Special Effects	Similarity to flesh, High flexibility	10	12'	40'	10,000	3.3	14.0	650%	1 + 1 kg	5 + 5 kg	25 + 25 kg
4 10C WHITE	RTV-2 Tin cure	20 : 1	Pourable	White	Decorative Mouldmaking, General Mouldmaking, Pad Printing	High tear strength, Low hardness	14	45'	12h	33,000	2.8	18.0	530%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 kg
5 13A CLEAR	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	General Mouldmaking, Decorative Mouldmaking, Podiatry	Precision in reproduction, Good compatibility with concrete mixes and wax due to high oil content	13 ± 2	45'	6h	4,500	3.0 ± 0.2	10.0 ± 1.0	450 ± 20%	1 + 1 kg	5 + 5 kg	25 + 25 kg
6 15C WHITE	RTV-2 Tin cure	20 : 1	Pourable	White	Decorative Mouldmaking, General Mouldmaking, Pad Printing	Good flow, high tear resistance, compatibility with resins & concrete	15	30'	6h	15,000	3.1	18.0	530%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 kg
7 20A CLEAR LV	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	General Mouldmaking	Low Viscosity, Economical, Compatibility with resins	20	10'	2h	3,500	4.8	25.0	710%	1 + 1 kg	5 + 5 kg	25 + 25 kg
8 24A BLUE	RTV-2 Platinum cure	1 : 1	Pourable	Blue	General Mouldmaking, Decorative Mouldmaking	Low viscosity, Precision in reproduction, Long life	21 ± 2	15'	1h	4,000	4.0 ± 0.2	20.0 ± 1.0	380 ± 20%	1 + 1 kg	5 + 5 kg	25 + 25 kg
9 24A BLUE SPRAY	RTV-2 Platinum cure	1 : 1	Thixotropic	Light blue	Vacuum Bagging for Composites	Self Bonding Layers, Works well with Spray machine	25	6'	30'	8,000	4.5	9.0	420%	1 + 1 kg	5 + 5 kg	25 + 25 kg
10 24A PINK THIXO	RTV-2 Platinum cure	1 : 1	Thixotropic	Light Pink	Body Casting	Can be applied by spray or by brush. Thixotropic property gives excellent result with minimal wastage for vertical surfaces. Compatibility with skin	22	10'	25'	50,000	2.5	14.0	360%	1 + 1 kg	5 + 5 kg	25 + 25 kg
11 24A CLEAR	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	General Mouldmaking, Decorative Mouldmaking, Jewelry Mouldmaking	Good compatibility with resins and concrete mixes due to high oil content	24	20'	3h	4,500	5.5	15.0	530%	1 + 1 kg	5 + 5 kg	25 + 25 kg
12 25C WHITE	RTV-2 Tin cure	20 : 1	Pourable	White	Decorative Mouldmaking, General Mouldmaking, Pad Printing	Good flow, high tear resistance, compatibility with resins & concrete	25	30'	6h	16,000	4.2	25.0	480%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 kg
13 30A CLEAR	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	General Mouldmaking, Jewelry Mouldmaking	High Transparency and precision, Good compatibility with wax	35	15'	2h	15,000	5.5	14.0	400%	1 + 1 kg	5 + 5 kg	25 + 25 kg
14 30A CLEAR SLOW	RTV-2 Platinum cure	1 : 1	Pourable	Transparent	General Mouldmaking, Jewelry Mouldmaking	High Transparency and precision, Good compatibility with wax	33	30'	6h	30,000	6.0	15.0	400%	1 + 1 kg	5 + 5 kg	25 + 25 kg
15 30A BRICK	RTV-2 Platinum cure	1 : 1	Pourable	Reddish brown	Pad printing, General Mouldmaking	High working time, Good properties to transfer ink, Oil can be mixed to reduce hardness	32	20'	2h	6,000	4.5	15.0	370%	1 + 1 kg	5 + 5 kg	25 + 25 kg
16 33A PAD	RTV-2 Platinum cure	9 : 1	Pourable	Light Pink	Pad Printing	High working time, Good properties to transfer ink, Oil can be mixed to reduce hardness	33	30'	5h	26,000	5.0	17.0	400%	0.9 + 0.1 kg	4.5 + 0.5 kg	18 + 2 kg
17 35A CLEAR	RTV-2 Platinum cure	1 : 1	Pourable	Translucent	Decorative Mouldmaking, General Mouldmaking, Jewelry Mouldmaking	Precision in reproduction, Durability, Good compatibility with all casting materials	33 ± 2	20'	3h	7,500	4.7	16.0 ± 2.0	430%	1 + 1 kg	5 + 5 kg	25 + 25 kg
18 40A CLEAR SLOW	RTV-2 Platinum cure	10 : 1	Pourable	Transparent	Vacuum Casting/ RPT, General Mouldmaking, Jewelry Mouldmaking	High transparency, Good compatibility with wax and resin	40 ± 2	30'	8h	30,000	5.0	14.5	300%	1 + 0.1 kg	5 + 0.5 kg	20 + 2 kg
19 40A CLEAR PROTO	RTV-2 Platinum cure	10 : 1	Pourable	Transparent	Vacuum Casting/ RPT, General Mouldmaking, Jewelry Mouldmaking	High transparency, Good compatibility with wax and resin	40 ± 2	30'	8h	23,000	6.2	14.0	280%	1 + 0.1 kg	5 + 0.5 kg	20 + 2 kg
20 45A CLEAR SLOW	RTV-2 Platinum cure	10 : 1	Pourable	Transparent	Vacuum Casting/ RPT, General Mouldmaking, Jewelry Mouldmaking	Oil bleeding so excellent compatibility with resins, Very high transparency, High mechanical properties.	41	75'	13h	50,000	5.6	21.0	380%	1 + 0.1 kg	5 + 0.5 kg	25 + 2.5 kg
21 50A BRICK	RTV-2 Platinum cure	1 : 1	Pourable	Dark Red	Pad printing, General Mouldmaking, Master Model	Low Viscosity, Good properties to transfer ink, Oil can be mixed to reduce hardness	50	15'	3h	5,000	3.6	5.0	150%	1 + 1 kg	10 + 10 kg	25 + 25 kg
22 PUTTY C	RTV-2 Tin cure putty	25 : 1	Putty	White	Decorative Mouldmaking, General Mouldmaking	Ease of use. No mess. No equipment required	30	60'	8h	-	1.0	3.6	200 ± 20%	1 + 0.04 kg	5 + 0.2 kg	20 + 0.8 kg
23 LIFECAST BLUE	Body casting Alginate	2 w : 1 p	Powder	Light blue	Special Effects, Body casting	Precision in reproduction, Recommended for impressions, Bio-compatible	-	1'	2'30" - 3'	200,000	-	-	-	500 g bag	10 kg bag	25 kg bag
24 SFX GLASS	RTV-2 Platinum cure	1 : 1	Pourable	Transparent	Special Effects	High Transparency, Visually replicates glass or ice, Low viscosity	20 ± 3	40 - 50'	6h	200	-	-	-	1 + 1 kg	5 + 5 kg	25 + 25 kg

NOTE: The figures are intended as a guide and should not be used in preparing specifications

Name	Chemical	Form	Property	Packaging available		
				Small Pack	Standard Pack	Large Pack
25 THIXO A	RTV Additive	Liquid	Adds a Thixotropic Property to Addition Cured RTVs to drastically increase viscosity, and prevent flow	50 g	250 g	-
26 THIXO C	RTV Additive	Liquid	Adds a Thixotropic Property to Condensation Cured RTVs to drastically increase viscosity, and prevent flow	50 g	250 g	-
27 DELAY A	RTV Additive	Liquid	Increases the Working Time (WT) and Setting Time (ST) in Addition Cured RTVs for ease of use	50 g	250 g	-
28 DEADNER	RTV Additive	Liquid	Used to reach the gel consistency with SFX Grades which make the RTV easier to work with	50 g	250 g	1 kg
29 ANTISTAT	RTV Additive	Liquid	Added to RTV Liquid usually in pad printing, to give pad antistatic effect which helps improve print quality	50 g	250 g	-
30 SILICONE SPRAY	Spray	Liquid	Lubricant used before castings to improve the life of moulds	300 ml	750 ml	-
31 SILICONE OIL	Oil	Liquid	Used to reduce the hardness of RTVs by adding as a filler	1L	5L	30L
32 Colour BLUE	Pigment	Paste	Add BLUE colour to RTVs	50 g	250 g	1 kg
33 Colour BLACK	Pigment	Paste	Add BLACK colour to RTVs	50 g	250 g	1 kg
34 Colour WHITE	Pigment	Paste	Add WHITE colour to RTVs	50 g	250 g	1 kg



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