

Fortisil Product Catalogue and Technical Details - 2021

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 SFX	RTV-2 Platinum cure	1:1	Pourable	Translucid	Special Effects	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 08A CLEAR	RTV-2 Platinum cure	1:1	Pourable	Translucid	General Mouldmaking, Potting, Podiatry, Prosthetics	Softness, Damping property, Low viscosity	8	15'	2h 30'	1,200	1.4	3.0 ± 0.5	280%	1 + 1 kg	5 + 5 kg	25+25 kg
3 10A CLEAR LV	RTV-2 Platinum cure	1:1	Pourable	Translucid	General Mouldmaking	Low Viscosity	10 ± 1	45'	6h	4,000	4.7	15.0	550%	1 + 1 kg	5 + 5 kg	-
4 10A WHITE SFX	RTV-2 Platinum cure	1:1	Pourable	White	Special Effects	Similarity to skin, High flexibility	10	7'	30'	4,500	3.5	11.0	600%	1 + 1 kg	5 + 5 kg	-
5 10C WHITE	RTV-2 Tin cure	20:1	Pourable	White	Decorative Mouldmaking, General Mouldmaking	High tear strength, Low hardness	14	90'	24h	33,000	2.8	18.0	530%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 kg
6 13A BLUE	RTV-2 Platinum cure	1:1	Pourable	Blue	Pad printing, General Mouldmaking	Low viscosity, Good properties to transfer ink, Good elasticity	12	20'	1h 30'	3,500	3.0	8.6	550%	1 + 1 kg	5 + 5 kg	25+25 kg
7 13A CLEAR	RTV-2 Platinum cure	1:1	Pourable	Translucid	General Mouldmaking, Decorative Mouldmaking, Podiatry	Precision in reproduction, Good compatibility with concrete mixes	13 ± 2	45'	8h	4,500	3.0 ± 0.2	10.0 ± 1.0	450 ± 20%	1 + 1 kg	5 + 5 kg	25+25 kg
8 20A CLEAR LV	RTV-2 Platinum cure	1:1	Pourable	Translucid	General Mouldmaking	Low viscosity	20 ± 1	45'	6h	4,000	4.7	15.0	550%	1 + 1 kg	5 + 5 kg	-
9 24A BLUE	RTV-2 Platinum cure	1:1	Pourable	Blue	General Mouldmaking, Decorative Mouldmaking	Low viscosity, Precision in reproduction	21 ± 2	15'	1h 30'	4,500	4.0 ± 0.2	20.0 ± 1.0	380 ± 20%	1+1 kg	5+5 kg	25+25 kg
10 24A BLUE SPRAY	RTV-2 Platinum cure	1:1	Thixotropic	Light blue	Vacuum Bagging for Composites	Self Bonding	25	6'	30'	8,000	4.5	9.0	420%	1 + 1 kg	5 + 5 kg	25+25 kg
11 24A BLUE THIXO	RTV-2 Platinum cure	1:1	Thixotropic	Light blue	Vacuum Bagging for Composites, Decorative Mouldmaking	Can be applied by spray or by brush. Thixotropic property gives excellent result with minimal wastage for vertical surfaces	21 ± 2	20'	4h	35,000	3.5	10.0	400%	1 + 1 kg	5 + 5 kg	25+25 kg
12 24A CLEAR	RTV-2 Platinum cure	1:1	Pourable	Translucid	General Mouldmaking, Decorative Mouldmaking, Jewelry Mouldmaking	Good compatibility with resins and concrete mixes	24	20'	3h	4,500	5.5	15.0	530%	1 + 1 kg	5 + 5 kg	25 + 25 kg
13 24A PINK THIXO	RTV-2 Platinum cure	1:1	Thixotropic	Pink	Body casting	Thixotropic, Compatibility with skin, High resistance to wear and tear	22 ± 2	6'	20'	50,000	3.0 ± 0.3	14.0 ± 1.0	400 ± 20%	1 + 1 kg	3 + 3 kg	25 + 25 kg
14 25C WHITE	RTV-2 Tin cure	20:1	Pourable	White	Decorative Mouldmaking, General Mouldmaking	Very high tear strength	25 ± 2	35'	6h	19 - 20,000	3.8	30.0	500%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 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 30A RED	RTV-2 Platinum cure	1:1	Pourable	Red	Pad printing, General Mouldmaking	High tear strength, Good properties to transfer ink, Oil can be mixed to reduce hardness	30 ± 2	10'	1h 30'	6,000	3.0	16.0	400%	1 + 1 kg	5 + 5 kg	25 + 25 kg
17 30C WHITE	RTV-2 Tin cure	20:1	Pourable	White	Decorative Mouldmaking, General Mouldmaking	High tear strength, Good compatibility with resins and concrete mixes	30 ± 2	90'	24h	30,000	3.5	18.0	280%	1 + 0.05 kg	5 + 0.25 kg	20 + 1 kg
18 35A CLEAR	RTV-2 Platinum cure	1:1	Pourable	Translucid	Decorative Mouldmaking, General Mouldmaking, Jewelry Mouldmaking	Precision in reproduction, Durability	33 ± 2	20'	3h 30'	7,500	4.7	16.0 ± 2.0	430%	1 + 1 kg	5 + 5 kg	25 + 25 kg
19 35A GREEN	RTV-2 Platinum cure	1:1	Pourable	Light green	General Mouldmaking	Low viscosity, Fast setting time	35 ± 2	7'	20'	4,000	3.0 ± 0.2	9.0 ± 1.0	300 ± 20%	-	5 + 5 kg	-
20 40A CLEAR	RTV-2 Platinum cure	1:1	Pourable	Translucid	Decorative Mouldmaking, General Mouldmaking, Jewelry Mouldmaking	Precision in reproduction, Lower price	40 ± 2	45'	6h	7,500 - 8,000	3.8	16.0	350%	1 + 1 kg	5 + 5 kg	-
21 40A CLEAR SLOW	RTV-2 Platinum cure	10:1	Pourable	Transparent	Vacuum Casting/ RPT, General Mouldmaking	High transparency, Good compatibility with resins	41 ± 2	90'	12h	50,000	4.5	25 ± 2	300%	-	5 + 0.5 kg	-
22 45A CLEAR SLOW	RTV-2 Platinum cure	10:1	Pourable	Transparent	Vacuum Casting/ RPT, General Mouldmaking	Oil bleeding so excellent compatibility with resins, Very high transparency, High mechanical properties.	43 ± 3	75'	13h	50,000	7.5 ± 0.5	> 20.0	400 ± 20%	-	5 + 0.5 kg	25 + 2.5 kg
23 50A BRICK	RTV-2 Platinum cure	1:1	Pourable	Reddish brown	Pad printing, General Mouldmaking	Low Viscosity, Good properties to transfer ink, Oil can be mixed to reduce hardness	50	15'	3h	5,000	3.6	5.0	150%	-	10 + 10 kg	25 + 25 kg
24 LIFECAST BLUE	Body casting Alginate	2 w: 1 p	Powder	Light blue	Special Effects, Body casting	Precision in reproduction, Recommended for impressions, Bio-compatible	-	-	2'30" - 3'	-	-	-	-	20 bags x 500 g	10 kg bag	25 kg bag
25 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
26 THIXO A	RTV Additive	Liquid	Adds a Thixotropic Property to Addition Cured RTVs to drastically increase viscosity, and prevent flow	50 g	250 g	-
27 THIXO C	RTV Additive	Liquid	Adds a Thixotropic Property to Condensation Cured RTVs to drastically increase viscosity, and prevent flow	50 g	250 g	-
28 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	-
29 SILICONE OIL	Oil	Liquid	Used to reduce the hardness of RTVs by adding as a filler	500 ml	1l	5l
30 Colour BLUE	Pigment	Paste	Add BLUE colour to RTVs	50 g	1 kg	-
31 Colour BRICK	Pigment	Paste	Add REDDISH-BROWN colour to RTVs	50 g	1 kg	-
32 Colour RED	Pigment	Paste	Add RED colour to RTVs	50 g	1 kg	-
33 Colour WHITE	Pigment	Paste	Add WHITE colour to RTVs	50 g	1 kg	-