

Product Selector Guide

HUNTSMAN

Enriching lives through innovation

Two Component Epoxy Systems for the Production of Moulds and Tools

Resin	Hardener	Mix ratio (pbw)	Colour	Density g/cm ³	Pot life (min.)*	Castable layer thickness (mm)	Applications	Temperature resistance after respective cure cycle (ISO 75) °C					
								50	100	150	200	250	
RenGel® Gelcoats													
SW 10	HY 2404	100 : 10	white	1.5	20	-	Working moulds (ceramic), negatives, models, jigs	60-80	easily machinable, polishable, low odour				
	HY 5159	100 : 8		1.5	60								
SW 404	HY 2404	100 : 10	blue	1.8	15	-	Foundry patterns, copy-milling models, foaming moulds	80-100	abrasion resistant				
	HY 5159	100 : 8		1.8	50								
SW 18	HY 2404	100 : 20	green	1.3	10-15	-	Wet lay-up tools, vacuum forming tools	85-100	polishable, styrene resistant				
	HY 5159	100 : 16		1.3	25								
SW 419-1	HV 2419	100 : 13	black	2.3	15-20	-	Metaforming tools, foundry patterns, general model making	60-70	abrasion resistant				
SW 56	HY 2404	100 : 13	caramel	1.5	10-15	-	Pressure casting moulds (ceramic), wet lay-up tools	100-120	workable, polishable, chemical resistant				
	HY 5159	100 : 10		1.5	25-30								
SW 5200	HY 5211	100 : 20	black	1.6	18 hrs	-	Pre-preg tools, high temperature tooling applications		high temperature	180-200			
	HY 5212	100 : 20	black	1.5	10 hrs								
	HY 5213	100 : 16	black	1.6	270								
RenGel® Coupling Coat													
P 99	HY 5159	100 : 11	grey	1.5	30	-	Coupling coat between gelcoat and backing	120	multipurpose coupling coat				
RenCast® Casting Systems													
CW 20	HY 49	100 : 5	blue	2	110	30	Foundry patterns, copy-milling models, metaforming tools, foam moulds	65-70	mineral filled, abrasion resistant				
CW 2418-1	HY 5160	100 : 15	black	2.3	120	80	Metaforming tools, casting of dowel bushes, general model making, full & face casting, foundry patterns	50-65	metal filled, cure: slow/medium/fast				
	HY 5161	100 : 15		2.3	60	20							
	HY 5162	100 : 15		2.3	30	10							
	HY 5118	100 : 20		2.2	80	40							
CW 2215	HY 5160	100 : 20	yellow	1.6	120	80	Suitable for a wide range of applications	50-65	easily machinable, colourable, cure: slow/medium/fast				
	HY 5161	100 : 20		1.6	45	20							
	HY 5162	100 : 20		1.6	25	10							
CW 5156-1	HY 5158	100 : 8	grey	1.6	80	80	Foam moulds vacuum forming moulds	130	chemical resistant, easily machinable				
CW 47	HY 33	100 : 15	grey	1.85	4.5 hrs	100	Pre-preg tools, vacuum forming moulds, injection moulds, high temperature tooling applications		castable up to 100mm, easily machinable	200-210			
RenLam® Laminating Systems													
CY 219	HY 5160	100 : 50	pale yellow	1.1	80	-	Laminates and backfilling with a variety of fillers	45-60	transparent, tack-free with adjustable reactivity				
	HY 5161	100 : 50	pale yellow	1.1	40								
	HY 5162	100 : 50	pale yellow	1.1	20								
M-1	HY 956	100 : 20	pale yellow	1.1	30	-	Laminates and backfilling with a variety of fillers	50	transparent, room temperature curing, good impregnation				
LY 113	HY 97-1	100 : 32	pale yellow	1.1	80	-	Structural and special applications	120	low viscosity, good room temperature curing				
LY 5210	HY 5211	100 : 40	amber	1.1	24 hrs	-	Pre-preg lay up tools, parts and structures, high temperature tooling applications		high temp, partial curing at room temperature, long pot life	180-210			
	HY 5212	100 : 40	amber	1.1	12 hrs								
	HY 5213	100 : 32	amber	1.1	180								
RenLam® Laminating Pastes													
LY 573-2	HY 2959	100 : 15	fibrous paste grey	1.1	45-60	20	Glass-fibre reinforced backing structures	50	up to 20 mm layer thickness, hand applied				
LV 10	HY 97 blue	100 : 20	grey blue	0.75	60	10	Light, stiff laminated shells and backing structures	125	light paste, hand applied				
RenPaste® Modeling Pastes													
SV 427-2	HV 427-1	100 : 100	brown	0.6	40	20	Models and patterns, general alteration or repair of models + patterns	50-55	room temperature curing, with other hardeners suitable for bonding RenShape® boards				
SV 36	HV 36	100 : 100	brown	0.5	60	40	Light models, patterns and repairs	50-55	no pin holes, light, easily machinable, hand applied, layer thickness 40 mm				

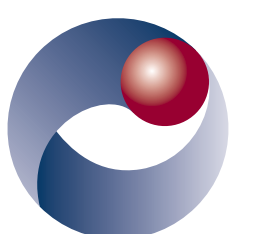
* gelcoats: 250 ml, laminating resins: 500 ml, casting systems and pastes: 1l

www.huntsman.com/advanced_materials
advanced_materials@huntsman.com

Huntsman Advanced Materials (Switzerland) GmbH
 Klybeckstrasse 200, CH 4057 BASEL Tel: +41 61 966 33 33 Fax: +41 61 966 35 19

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