



## Recommended glazes for ceramic masses produced by KERACLAY, Plc., Plant BRNÍK

(date of publication: January 1, 2025)



Product	Type of glaze			
	Transparent glossy unleaded	Opaque (white) glossy unleaded	Opaque matt unleaded	Coloured
<b>THS</b> Throwing mass, plastic, light, sintering  Firing temperature 1100 - 1200 °C	P 016 91, 1070 - 1180 °C (1)	Pw 185 91, 1070 - 1160 °C (1)	Pm 137 97, white, 1100 - 1130 °C (2)	
	P 017 91, 1070 - 1160 °C (1)	Pw 187 89, 1070 - 1150 °C (1)	Rm 100 89, gray-white, 1180 - 1200 °C (2)	
	P 048 91, 1070 - 1200 °C (1)		Rm 175 91, gray-white, 1140 - 1160 °C (2)	
			Rm 513 94, cream, 1100 - 1160 °C (2)	
<b>THA</b> Throwing mass, less plastic, light brown, sintering  Firing temperature 1100 - 1200 °C	P 016 91, 1050 - 1150 °C (3)	Pw 102 91, 1050 - 1120 °C (3)	Pm 148 97, white, 1050 °C (4)	Glossy glaze Pd, 1050 - 1120 °C
	P 074 91, 1050 - 1150 °C (3)	Pw 141 10, 1050 - 1150 °C (3)	Pm 137 97, white, 1100 - 1130 °C (4)	Matt glaze Pm, 1020 °C
	P 017 91, 1050 - 1150 °C (3)	Pw 187 89, 1050 - 1120 °C (3)	Pm 082 91, white semi-opaque, 1100 - 1150 °C (4)	Glossy leaded glaze G, 960 - 1000 °C
	P 048 91, 1050 - 1150 °C (3)	Pw 185 91, 1050 - 1150 °C (3)	Rm 175 91, gray-white, 1140 - 1150 °C (4)	Matt leaded glaze Gm, 960 - 1000 °C
	P 099 91, 1050 - 1100 °C (3)		Rm 513 94, cream, 1100 - 1150 °C (4)	Matt artistic glaze Gmu, 1020 °C

**Note:**

- 1) Glazes can be dyed by ceramic colours (it is not appropriate to use this colours: K 63099, K 63093, K 673 24, K 370 11). We don't recommend using oxides of colour metals such as: CoO, MnO<sub>2</sub> and CuO - boiling. It is possible to use Fe<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>
- 2) Glazes can be dyed by ceramic colours and by metal oxides (for glaze Pm 137 97 is not recommend to dye by CuO, CoO , MnO<sub>2</sub>)
- 3) Glazes can be dyed by ceramic colours (K 63099, K 630 93 up to 1080 °C) and by oxides Fe<sub>2</sub>O<sub>3</sub> and Cr<sub>2</sub>O<sub>3</sub>. Don't use CoO, CuO and MnO<sub>2</sub> (boiling)
- 4) Glazes can be dyed by ceramic colours and by metal oxides (not for Pm 148 97 and Pm 137 97)



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	Transparent glossy unleaded	Opaque (white) glossy unleaded	Opaque matt unleaded	Coloured
<b>LUS, LUS/PL</b> Casting mass, light, sintering  Firing temperature 1100 - 1200 °C	P 016 91, 1100 - 1160 °C (5)	Pw 102 91, 1100 - 1120 °C (5)	Pm 137 97, white, 1100 - 1130 °C (6)	Glossy glaze Pd, 1050 - 1120 °C
	P 074 10, 1100 - 1150 °C (5)	Pw 145 91, 1110 - 1120 °C (5)	Pm 082 91, white semi-opaque, 1100 - 1150 °C (6)	Matt glaze Pm, 1020 °C
	P 099 91, 1100 °C (5)	Pw 141 91, 1100 - 1150 °C (5)	Rm 175 91, gray-white, 1140 - 1150 °C (6)	Glossy leaded glaze G, 960 - 1000 °C
			Rm 513 94, cream, 1100 - 1160 °C (6)	Matt leaded glaze Gm, 960 - 1000 °C
		Rm 100 89, gray-white, 1200 °C (6)	Matt artistic glaze Gmu, 1020 °C	
<b>LUD</b> Casting mass, diturvite sort  Firing temperature 1170 - 1240 °C	P 016 91, 1150 - 1180 °C (7)	Pw 185 91, 1150 - 1160 °C (8)	Rm 175 91, gray-white, 1150 °C (9)	Glossy glazes Pd, max. 1150 °C
	P 017 91, 1100 - 1160 °C (7)	Pw 187 91, 1150 °C (8)	Rm 100 89, gray-white, 1200 - 1250 °C (9)	
	P 048 91, 1150 - 1200 °C (7)	R 116 91, 1250 °C (8) (feldspar raw glaze)	Rm 513 94, cream, 1120 - 1160 °C (9)	
	R 067 91, 1250 °C (7) (feldspar raw glaze)		Pm 082 91, white semi-opaque, 1120 °C (9)	

**Note:**

- 5) Glazes can be dyed by ceramic colours (K 63093 and K 63099 up to 1080 °C) and by oxides Fe<sub>2</sub>O<sub>3</sub> and Cr<sub>2</sub>O<sub>3</sub>. Don't use CoO, MnO<sub>2</sub>, CuO - boiling
- 6) Glazes can be dyed by ceramic colours with the exception of K 933 91, K 934 91 and metal oxides (not for Pm 137 97)
- 7) Glazes can be dyed by ceramic colours as with glazes for THS. R 067 91 can be dyed also with oxides of colour metals
- 8) Glazes can be dyed by ceramic colours. The same applies as with glazes for THS. R 116 91 can be dyed also with metal oxides
- 9) Glazes can be dyed by ceramic colours and by metal oxides



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Product	Type of glaze			
	Transparent glossy unleaded	Transparent glossy leaded	Glossy unleaded	Opaque (white) glossy leaded
<p style="text-align: center;"><b>LVK/K</b></p> <p style="text-align: center;">Casting mass, white, porous</p> <p style="text-align: center;">Firing temperature 1050 - 1100 °C</p>	P 016 91, 1040 - 1100 °C, (10)	G 070 91, 1000 °C (better 980 °C), (11)	Pw 102 91, 1000 - 1100 °C, (12)	Dw 106 91, 1000 - 1100 °C, (13)
	P 017 91, 1040 - 1100 °C, (10)		Pw 141 91, 1020 - 1100 °C, (12)	Dw 153 91, 1000 - 1100 °C, (13)
	P 074 91, 1000 - 1100 °C, (10)		Pw 145 91, 1000 - 1100 °C, (12)	Dw 196 91, 1000 - 1100 °C, (13)
	P 048 91, 1060 - 1100 °C, (10)		Pw 185 91, 1020 - 1100 °C, (12)	
	P 099 91, 1000 - 1100 °C, (10)		Pw 187 89, 1040 - 1100 °C, (12)	
		Opaque matt unleaded (white and coloured)	Opaque and semi-opaque coloured glossy unleaded	Coloured leaded
		Pm complete line, 1020 °C	Pd complete line, 1000 - 1100 °C, (14)	G complete line, 960 - 1020 °C
		Pm 148 97, 1040 °C		Gmu complete line, 1020 °C
		Pm 149 94, 1040 °C		Gm complete line, 960 - 1000 °C

**Note:**

- 10) Glazes can be dyed by ceramic colours (K 63093 and K 63099 up to 1080 °C). We don't recommend using of metal oxides (CuO, CoO, MnO<sub>2</sub>)
- 11) Glazes can be dyed by any colours and oxides
- 12) Dyeing option is the same as with transparent glaze for LVK/K
- 13) Glazes can be dyed by any colours and oxides
- 14) Red and orange glaze firing temperature is recommended up to 1080 °C