

The paint research kit has 8 single change paints and 5 multi change paints. All the paints have a +/- 5% of the temperature change accuracy.

The single change paints are

SC-155 Color change occurs at 155°C/311°F
SC-240 Color change occurs at 240°C/464°F
SC-275 Color change occurs at 275°C/527°F
SC-367 Color change occurs at 367°C/
SC-400 Color change occurs at 400°C/752°F
SC-458 Color change occurs at 458°C/856°F
SC-550 Color change occurs at 550°C/1022°F
SC-630 Color change occurs at 630°C/1166°F

The multi change paints are

MC-135-2

1st temp change from Pink to Blue occurs after:

10 min @ 135°C/275°F, 20 min @ 130°C/266°F, 60 min @ 125°C/257°F, 120 min @ 122°C/252°F, 300 min @ 120 °C/248°F, 900 min @ 117°C/243°F, 2880 min @ 116°C/241°F.

2nd temp change from Blue to Grey occurs after:

10 min @ 315°C/599°F, 60 min @ 275°C/527°F, 180 min @ 243°C/469°F.

MC-165-2

1st temp change from Mauve/Pink to Blue occurs after:

10 min @ 165 °C/329°F, 20 min @ 161°C/322, 60 min @ 155°C/311°F, 120 min @ 152°C/306°F, 240 min @ 148°C/298°F, 300 min @ 147°C/297°F, 600 min @ 144°C/291°F, 1200 min @ 141°C/286°F, 2400 min @ 137°C/279°F, 3000 min @ 136°C/277°F.

2nd temp change from Blue to Grey occurs after:

10 min @ 315°C/599°F, 60 min @ 275°C/527°F, 180 min @ 265°C/509°F, 1080 min @ 243°C/469°F.

MC-395-3

1st temp change from Purple to Pink occurs after:

10 min @ 395°C/743°F, 20 min @ 395°C/743°F, 60 min @ 395°C/743°F, 120 min @ 395°C/743°F.

2nd temp change from Pink to Fawn occurs after:

10 min @ 500°C/932°F, 20 min @ 491°C/916°F, 30 min @ 485°C/905°F, 60 min @ 476°C/889°F, 120 min @ 468°C/874°F, 180 min @ 462°C/864°F, 240 min @ 459°C/858°F, 300 min @ 456°C/853°, 600 min @ 448°C/838°F, 900 min @ 443°C/829°F, 1200 min @ 439°C/822°F, 2400 min @ 431°C/808°F, 2700 min @ 430°C/806°F.

3rd temp change from Fawn to Blue occurs after:

10 min @ 580°C/1076°F, 20 min @ 563°C/1045°F, 30 min @ 553°C/1027°F, 60 min @ 537°C/999°F, 120 min @ 521°C/970°F, 180 min @ 513°C/955°F, 240 min @ 506°C/943°F, 300 min @ 501°C/934°F, 600 min @ 487°C/909°F, 900 min @ 478°C/892°F, 1200 min @ 473°C/883°F, 1500 min @ 468°C/874°F, 1800 min @ 464°C/867°F, 2100 min @ 461°C/862°F, 2700 min @ 456°C/853°F.

MC-490-10

1st temp change is from Orange/Red to Brown occurs after:
10 min @ 490°C/914°F
2nd temp change is from Brown to Brown/Yellow occurs after:
10 min @ 570 °C/1058°F
3rd temp change is from Brown/Yellow to Bright Yellow occurs after:
10 min @ 610°C/1130°F
4th temp change is from Bright Yellow to Orange occurs after:
10 min @ 670°C/1328°F
5th temp change is from Orange to Green occurs after:
10 min @ 750°C/1382°F
6th temp change is from Green to Mottled Red occurs after:
10 min @ 850°C/1562°F
7th temp change is from Mottled Red to Brown occurs after:
10 min @ 910°C/1670°F
8th temp change is from Brown to Green Grey occurs after:
10 min @ 1040°C/1904°F
9th temp change is from Green Grey to Grey occurs after:
10 min @ 1080°C/1976°F
10th temp change is from Grey to Black occurs after:
10 min @ 1250°C/2282°F

MC520-7

1st temp change is from Purple to Pale Blue/Grey occurs after:
10 min @ 520°C/968°F
2nd temp change is form Grey to Dark Blue/Grey occurs after:
10 min @ 840°C/1544°F
3rd temp change is from Dark Blue/Grey to Blue occurs after:
10 min @ 930°C/1706°F
4th temp change is from Blue to Midnight Blue occurs after:
10 min @ 1020°C/1868°F
5th temp change is from Midnight Blue to Matt Black occurs after:
10 min @ 1040°C/1904°F
6th temp change is from Matt Black to Matt Black Glaze occurs after:
10 min @ 1070°C/1958°F
7th temp change is from Matt Black Glaze to Dark Blue Glaze occurs after:
10 min @ 1090°C/1994°F