Note: We recommend you use cones in your first firings when testing the clays. The temperatures, given here in relation to the cones, are for firings speeds of **150C/h over the last hour of firing,** with no soak. Firing slower or soaking will require setting to a lower temperature otherwise the specified cone will be exceeded. **Drying of ware:** In general, the more plastic the clay, the easier to throw or form shapes, and the more carefully the items need to be dried. Unless there is a lot of grog added, etc.

Code	Clay Description	Bisque fire Temperature	Earthenware Glaze fire Temperature	Stoneware Glaze fire Temperature	Hand work	Wheel work	Sculpting	Plasticity
Dun	**LIGHT ORANGE EARTHENWARE / MEDIUM BROWN STONEWARE** A blend of three locally dug clays produces this versatile clay. Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	excellent	excellent	excellent	high
Ross	**RED EARTHENWARE / DARK STONEWARE** A clay especially formulated to fire a red terra-cotta. It is particularly suitable for wheelwork and sculpture. Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product.. For the richest red colour, the clay can be fired BETWEEN 1100 and 1150˚C. The clay fires a darker red-brown as it matures above 1150C, with a maximum temperature of about 1220˚C (cone 6).	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	excellent	excellent	good	high
104F	**LIGHT STONEWARE / EARTHENWARE** A popular clay blend. The clay is moderately plastic, but dries very evenly. Very few drying cracks, dunting or firing problems, are ever experienced. Excellent for wheel and hand work, especially smaller ware. (For big pots our other clays are easier to handle). Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1086˚C and 1220˚C (cone 4 - 6)	excellent, especially draped slabs	excellent	good	Moderate
Ascent	**ASCENT CLAY** An almost white, ultra-fine clay of moderate plasticity. Whenever whiteness and fineness are required in a throwing, jiggering or modelling clay, this clay body is the one we would recommend. Its working qualities are superior to those of most other fine white-firing clays. The recipe is almost the same as our popular tried and tested Ascent casting slip. Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	excellent, especially draped slabs	good for small items with fine detail	good for small items with fine detail	moderate
F8	**HEAVILY TEXTURED BUFF STONEWARE** An extremely reliable blend of local clays firing to a warm toasted, textured buff colour between 1186˚C and 1263˚C. Twenty percent grog (0.7 – 1.2mm) has been added to give the desired texture. The clay is ideal for sculpture and handwork, and is excellent for very large wheelthrown vessels. It is also used for raku with much success. (It is too coarse for small thrown items such as domestic ware).	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1263˚C (cone 4 - 8)	excellent	good for very large pots, but order soft clay	excellent	high
HF	**HIGH FIRING CLAY** An excellent general purpose clay, perfect for wheel work or handwork. It fires to an attractive flecked ivory at stoneware, and can be glaze fired between 1186˚C and 1263˚C in oxidation or reduction. It is popular because it works well on the wheel and because of its attractive fired colour.	955˚C and 1000˚C (cone 08 to 06)	Not ideal	1186˚C and 1280˚C (cone 4 - 9)	excellent	excellent	excellent	moderate
Kei	**LIGHT TAN STONEWARE / EARTHENWARE** A popular clay blend. The clay is moderately plastic, but dries very evenly. Very few drying cracks, dunting or firing problems, are ever experienced. Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	excellent	excellent	excellent	moderate
Segal Porcelain Clay	**PORCELAIN** - "Segal" Our own brand manufactured to our unique recipe for a porcelain which handles well, is inexpensive and fires to a dense white colour.	1000˚C and 1020˚C (cone 06) **NOT LOWER**	Not suitable	1220˚C and 1263˚C (cone 6 to 8) **NOT LOWER**	good for a porcelain	good for a porcelain	good for a porcelain	moderate
Ascent Slip	**ASCENT CASTING SLIP** (off-white earthenware/stoneware) This casting slip is ideal at low stoneware temperatures, but may also be used for higher fired earthenware or high-fire bisque for painting with acrylics. It is used with success by both factories and hobby potters. Glaze fire to stoneware temperatures for a strong non-porous product or to earthenware temperatures for an adequately strong earthenware product. We recommend that you test your glazes on a small scale between these temperatures to establish the ideal temperature.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	Casting Slip			
Terra-cotta Slip	**TERRACOTTA CASTING SLIP** This casting slip fires to a red terracotta colour.	955˚C and 1000˚C (cone 08 to 06)	1060˚C and 1120˚C (cone 04 - 02)	1186˚C and 1220˚C (cone 4 - 6)	Casting Slip			
HF Slip	**HIGH-FIRING CASTING SLIP** Fires to a flecked ivory colour at stoneware.	955˚C and 1000˚C (cone 08 to 06)	Not ideal	1186˚C and 1263˚C (cone 4 - 8)	Casting Slip			
Segal Porcelain Slip	**SEGAL PORCELAIN CASTING SLIP** An economical white casting slip. Porcelain may soften at its upper temparature limit. If a strong product and a white background is all that you require, the lower limit is recommended. The upper limit will give a very vitrified porcelaneous product. Tip: Bone dry porcelain casts can absorb excessive water during sponging, which might result in cracks later. To avoid this, sponge at the stiff leather hard stage, taking care that excess water is not used.	1000˚C -1020˚C (cone 06) **NOT LOWER**	Not suitable	1220˚C and 1263˚C (cone 6 - 8) **NOT LOWER**	Casting Slip			
Rosano Slip	**ROSANO RAKU CASTING SLIP** A smooth light coloured slip for raku only. It casts slower than many ordinary casting slips, but it is far more resistant to thermal shock cracks from the fast cooling of raku firings.	955˚C and 1000˚C (cone 08 to 06)	900˚C and 1000˚C (cone 010 to 06)	not suitable	Casting Slip			