

TERRACOTTA CLAYS

STANDARD RED (*Smooth - Medium*)

An extremely popular general purpose clay based on a blend of Etruria Marls. Suitable for throwing, handling & casting.

Firing: 1080°C - 1160°C (*Light red becoming darker as temperature is increased*)

STANDARD RED GROGGED (*Medium*)

The addition of grogg in this body improves strength in throwing and increases resistance to cracking and warping especially on larger pieces. Suitable for throwing and modelling.

Firing: 1080°C - 1160°C (*Light red becoming darker as temperature is increased*)

TERRACOTTA FINE 120'S (*Smooth*)

A general blend of Etruria Marls produced to a much finer degree giving a pleasing smooth finish. Suitable for machining and throwing.

Firing: 1080° C - 1160°C (*Light red becoming darker as temperature is increased*)

V636 (*Smooth*)

A very well behaved clay resulting from a blend of Etruria Marls and Shropshire Fire Clays. Good plasticity, suitable for throwing and modelling.

Firing: 1020°C - 1160°C (*Medium red becoming darker as temperature is increased*)

RBC 60s (*Medium to Smooth*)

This body contains fine graded China Clay and Etruria Marls. Developed to improve casting. Suitable for all types of production or studio work.

Firing: 1040°C - 1160°C (*Pale red becoming darker as temperature is increased*)

SCULPTURE (*Medium to Coarse*)

A newly developed clay containing a good degree of medium to coarse grogg. Gives open texture yet retaining a good degree of plasticity. Has good

resistance to thermal shock. Suitable for large sculptural work, garden ware, slab work etc.

Firing: 1020°C - 1220°C (*Light red becoming darker as temperature is increased*)

MOULDING CLAY (*Very Coarse*)

A traditional coarse, pan milled and pug milled North Yorkshire terracotta clay. Highly plastic, suitable for modelling and sculpture work.

Firing: 1020°C - 1100°C (*Mid red becoming darker as temperature is increased*)

STONEWARE CLAYS

V9A (*Smooth to Medium*)

An excellent general purpose modelling clay, which contains Shropshire & South Staffordshire Fire Clays with a fine graded dust free grogg. Suitable for throwing and hand modelling. * **Highly recommended**

Firing: 1180°C - 1280°C (*Buff to grey*)

V9G (*Medium*)

The addition of grogg gives good resistance to cracking and warping. Behaves well under oxidising and reduction conditions.

Firing: 1180°C - 1280°C (*Grey buff - speckled grey*)

HT (*Smooth to Medium*)

This stoneware body is especially recommended for reduction and contains a fine grogg free of dust faction.

Firing: 1120°C - 1280°C - (*Buff to grey*)

HT GROGGED (*Medium*)

Same as HT but with the addition of a mesh graded dust free grogg.

Firing: 1120°C - 1280°C (*Buff to grey*)

HT SPECIAL (*Smooth to Medium*)

Same as HT Clay but it contains extra additives to increase resistance of thermal shock. Suitable for oven to tableware.

Firing: 1120°C - 1280°C (*Buff to grey*)

DELTA (*Smooth to Medium*)

A pronounced speckle will appear through glaze under oxidising conditions. Suitable for modelling, casting and throwing.

Firing: 1120 °C - 1280 °C (*Light buff to grey*)

SPECIAL FLECK (*Smooth to Medium*)

A carefully blended natural stoneware which speckles attractively under normal conditions. Heavier speckling under reduction.

Firing: 1150°C - 1280°C (*Buff to grey*)

WHITE FLECK (*Smooth to Medium*)

A newly developed clay which has a pronounced speckle. It contains a high quality China and Ball Clay. Suitable for throwing and modelling.

Firing: 1180°C - 1280°C (*Off white speckled*)

B17C (*Smooth*)

This body is a blend of selected low iron clays providing an ideal background for a decorative approach to stoneware ceramics. Silica sand makes it excellent for throwing.

Firing: 1220°C - 1280°C (*Pale buff*)

WHITE B17C GROGGED (*Medium*)

Same as above but with the addition of a mesh graded dust free grogg.

Firing: 1220°C - 1280°C (*Pale buff*)

WHITE MILLENNIUM (*Very Smooth*)

Our ultimate white stoneware, firing whiter with a high degree of plasticity. Suitable for throwing, modelling & casting and will tolerate earthenware/stoneware conditions.

Firing: 1160°C -1260°C (*Off white*)

ARCTIC WHITE (*Smooth*)

An alternative to our White Stoneware B17C offering a whiter colour but remaining suitable for throwing & modelling.

Firing: 1220°C - 1260°C (*Off white*)

BIRCH (*Smooth to Medium*)

A good all round general purpose clay. Suitable for hand modelling, throwing and casting.

Firing: 1120°C - 1280°C (*Buff*)

CRANK (*Coarse*)

This body has a good degree of plasticity, containing a coarse silica grog. Suitable for medium sized sculptural and slab work.

Firing: 1200°C - 1280°C (*Buff*)

TOASTED (*Medium to Smooth*)

A carefully blended Stoneware Fire Clay and Etruria Clay with a fine grogg additive. Pleasant reduction under normal oxidising conditions. Suitable as an all purpose body for throwing, hand building and casting.

Firing: 1140°C - 1250°C (*Warm buff*)

RAKU (*Smooth to Medium*)

A very fine firebrick grogged clay, suitable for throwing and hand building.

Firing: 960°C - 1060°C or 1220°C - 1280°C (*Buff to grey*)

STEVE HARRISON BODY

(*Medium to Smooth*)

Based on a similar formula to the Harry Davis Body, being a white highly versatile fine body containing a fine silica sand with good salt-glazing properties. Suitable for throwing and casting.

Firing: 1160°C - 1280°C (*Off white*)

Stonewares Cont'd...

ST PATRICKS WHITE

(Medium to Smooth)

St Patricks White is good for both large and small pots and is a beautiful colour under oxidised and reduction firing. Good for throwing and handbuilding where a smooth finish is required.

Firing: 1180°C - 1280°C (*Off white*)

EARTHSTONE CLAYS

ORIGINAL BODY (E/S 5)

We are constantly researching and developing available materials to bring you the most innovative new clays. We realised the need for a professional quality white clay body with a wide maturing range and a variety of applications. We are therefore proud to be able to introduce Earthstone Original body, a highly versatile fine white clay with a great variety of applications.

ES 5 matures between 1180-1280°C, firing very white to give an excellent base for colour decoration. It is highly resistant to warping, cracking and thermal shock. It is also particularly suited to salt-glazing and reduction firing. This clay is highly regarded by professional potters. The addition of a small proportion of carefully blended and graded molochite means that ES 5 will throw large or wide pieces easily, and is a useful modelling body too. Indeed, this clay is probably the most versatile in our range and this is reflected in its current popularity.

EARTHSTONE ORIGINAL (E/S 5) - 20%

Earthstone Original (E/S 5) 20% is the same as the above body with the exception of additional molochite.

EXTRA SMOOTH (E/S 10)

A highly versatile fine white body with a broad range of applications, Earthstone Extra smooth matures between 1160°C - 1280°C. This unusually wide range means that it can be high biscuit fired to 1160°C for low temperature

earthenware glazes or biscuit fired at 1000°C for mid temperatures earthenware/stoneware glazes. This body fires very white to give an excellent base for colour decoration. Many professional potters have already discovered that ES 10 gives tremendous results and unbeatable value.

ES 10 will throw & cast extremely well and takes sprigged or stamped decoration beautifully. Like all the clays in the Earthstone range it is invaluable in situations where you need a body to perform well with a variety of making techniques & temperatures, or simply because you want a top quality clay you can rely on for high production standards.

SMOOTH TEXTURE (E/S 20)

Earthstone Smooth-Textured Material is a particularly versatile clay which matures between 1180°C - 1300°C. It fires very white to give an excellent base for colour decoration, while its high plasticity and remarkable handling properties make it ideal for any making process – throwing, slab-building, fine modelling, coiling or sculpture. Its low shrinkage means that it is highly resistant to warping, thermal shock & cracking and is highly recommended for raku, salt-glazed and reduction firings also.

ES 20 is particularly suited to throwing large pieces, and the addition of specially selected and blended molochite means that it is an excellent handbuilding body too. Molochite is generally regarded as the highest quality material for adding texture to clay. Unlike low-cost silica sand used in many other handbuilding clays, molochite's rough and uneven surface gives the clay excellent keying properties, while the low-silica composition means it has a low, uniform rate of thermal expansion which makes it extremely resistant to thermal shock.

HANDBUILDING MATERIAL (E/S 40)

We are pleased to introduce this white stoneware/raku body with exceptional handling properties. Its appearance and firing range is similar to the ES 5 body, being a quality white clay maturing between 1200°C - 1300°C. However, the addition of specially selected and graded molochite gives an incredibly strong clay especially suited to all handbuilding techniques.

Molochite is generally regarded as the highest quality material for adding texture and strength to clay. Unlike low-cost silica sands used in many handbuilding clays, molochite's rough and uneven surface gives the clay excellent keying properties while it has a low, uniform rate of thermal expansion which makes it extremely resistant to thermal shock. Similar to other well-known white handbuilding clays currently on the market, but at a fraction of the price and offering greater versatility and strength. ES 40 incorporates the highest possible standards of strength, consistency and plasticity. It is heavily enough grogged to make the most extreme sculptural forms, and because of its low shrinkage and open texture, it is highly resistant to warping and cracking, making it very suitable for large sculptural pieces, hand made tiles, ceramic murals etc; in fact, any project which requires large scale slab building or coiling.

Its white finish means ES 40 gives excellent results with colour, and because its shrinkage rate is so low it can be high biscuit fired & decorated with bright mid temperature colours. It also responds particularly well to stoneware, raku and reduction firing.

Whether you are a ceramic sculptor, student or a teacher you will find that using Earthstone allows you to keep one step ahead in the field of handbuilt and sculptural ceramics.

CRANK (E/S 50)

Handbuilders and sculptors will be delighted with this superb crank body. It is an open textured, coarsely grogged clay which still retains tremendous plasticity. Many crank bodies are available but ES 50 has several advantages over them. Firstly, it's produced by the sliphouse method, while other manufacturers use the pan-milling technique. Pan-milling leaves the clay open to contamination, mainly from lime impurities, which can lead to 'lime popping' and efflorescence. Lime popping occurs where calcium compounds which have contaminated the clay blow out during firing, damaging the piece. Firebrick, which is used as the principal grog in other cranks, is regularly found to be contaminated by lime, and the pan-milling method cannot remove these impurities. ES 50 uses carefully graded and selected new grog material, lime-free

which provides the keying properties of firebrick, but limits the risk of contamination. Furthermore, the clay is then sliphoused, a time consuming method of clay preparation which virtually guarantees pure, clean, uniform clay. The use of top quality materials and painstaking production methods, results in an excellent clay, with all the qualities you expect from crank (eg., warp resistance, low shrinkage, excellent green & fired strength) but none of the disadvantages usually associated with lime bearing clays. ES 50 fires between 1160-1300°C and gives toasted buff in oxidation and a rich, warm speckled orange buff under reduction.

SMOOTH TEXTURED CRANK (E/S 60)

A fine grogged alternative to our ES 50, Smooth Textured Crank is prepared to the same high standards, but offers a finer surface and closer texture. This clay should appeal greatly to handbuilders and sculptors who require a warm, plastic clay with excellent green and fired strength, but need a smoother finish than standard cranks can offer. ES 60 will take surface detail well, and can be used as a coarse throwing body. It is suitable for reduction firing, raku etc. Like ES 50, it fires 1160°C-1300°C and gives toasted buff in oxidation and warm speckled orange buff under reduction.

TERRACOTTA CRANK (E/S 65)

Earthstone Terracotta Crank allows you to create large sculptural pieces without the risk of lime popping, commonly associated with grogged reds. A beautifully textured, richly coloured clay, ES 65 combines the warmth and excellent working properties of red clay with the strength of a crank, resulting in an exceptional building body that is ideal for all types of handbuilding processes. ES 65 fires from 1080°C - 1220°C, and like all Earthstone Clays is exceptionally warp and crack resistant.

ARCHITECTURAL BODY (E/S 70)

This clay will be of interest to anyone producing architectural ceramics – handmade tiles, relief panels, ceramic murals or restoration work. It offers extremely low shrinkage, only 6% from plastic to 1260°C ...

Earthstones Cont'd...

ARCHITECTURAL BODY (E/S 70)

...This effectively means that you make your tile sections to cover the actual area required, instead of having to worry about shrinkage calculations. The 6% shrinkage allows just sufficient space for grouting.

Architectural body fires white to off white, and so will offer excellent colour response. It is completely frost proof with excellent thermal resistance.

We are sure that you will find this clay gives you a real advantage when constructing large tile projects. It is extremely resistant to warping and cracking. Fires: 1240 – 1300°C.

SMOOTH TEXTURED TERRACOTTA CRANK (E/S 75)

A fine grogged alternative to our ES 65, Earthstone Smooth Textured Terracotta Crank is prepared to the same high standards, but offers a finer surface and closer texture. It will take surface detail well, can be used as a coarse throwing body and is excellent for slabbing, handbuilding and tiles.

REDUCTION (E/S 80)

This highly plastic clay is ideal for reduction firing but is also suitable for oxidation and may be salt-glazed. It has excellent resistance to warping and cracking and the high proportion of ball clay in this body makes it a real pleasure to work with. Ideal for the production of domestic tableware etc.. This clay has been specifically developed to meet the needs of craft and studio potters. Suitable for throwing & jiggering. Firing: 1220°C - 1300°C.

FLECKED (E/S 90)

Many potters want to achieve the attractive, speckled effect that reduction firings give to clay. However, this is not generally possible in an electric kiln. Other flecked clays have been introduced in the past, but we believe this is the most successful yet. Based on our reduction body, this clay performs every bit as well and is just as responsive to work with. The only difference is

that this clay has an attractive speckle even under oxidation. ES 90 is perfect for anyone wanting to achieve a reduction effect in an ordinary electric kiln. Firing 1220°C - 1300°C.

SPECKLED STONEWARE (ES 109)

A new body using our dry-batching method of production. Superbly plastic with an attractive speckle, made from a mixture of ball clays with medium textured silica sand added for tooth. It will give a reduction effect when fired in an oxidising atmosphere. This body has been designed for the professional production potter and is excellent for domestic ware with good thermal shock properties.

MING PORCELAIN (E/S 120)

An ancient Chinese formula, extremely white very translucent body. One of the best throwing porcelains with excellent standing properties. Fluxed with a slow acting flux to minimise slumping. Intended for cones 7-10. Firing 1220°C - 1280°C.

WHITE EARTHENWARE (E/S 130)

A plastic white clay which throws well on the wheel. Its main advantages are excellent colour response and a wide firing range, which makes it ideal for school use. It casts well and has been designed to accept most commercial low fire glazes. A smooth clay with no grog added, it matures between 1060°C - 1150°C.

GOLDEN HARVEST (E/S 150)

A beautifully smooth rich golden harvest yellow body, Earthstone Golden Harvest will throw and cast extremely well and takes sprigged or stamped decoration beautifully. This body is highly resistant to warping, cracking and thermal shock and a range of glazes which fit perfectly can be recommended. Due to its unusually wide firing range ES 150 is equally suitable for both Stoneware & Earthenware, firing between 1180°C - 1280°C.

SPECIAL (E/S 160)

ES 160 fires white to give an excellent base for colour decoration. Whilst its high plasticity &

remarkable handling properties make it excellent for large as well as small pots. It is highly resistant to warping, cracking and thermal shock and is also particularly suited to salt-glazing & reduction firing as it will withstand high temperatures, firing 1200 - 1300°C. It has an addition of specially selected and blended molochite, which makes it incredibly versatile, this is reflected in its current popularity.

GLACIER PORCELAIN (E/S 170)

Whiteness, glass like translucency and strength are some of the qualities that attract many potters to porcelain. However, due to the very nature of the raw materials used in its production, most porcelain bodies have very little natural plasticity. To overcome this, many manufacturers add ball clay, thus sacrificing translucency and whiteness. We have found that by using the best and lowest iron bearing china clays, silicas, mineral fluxes & bentonites, we have produced a body that is very white, translucent and plastic. We feel that our new Glacier White Porcelain is one of the best porcelain bodies you will find anywhere. Firing range: 1250°C - 1280°C

AIR DRYING (E/S 950)

Suitable for schools that may not have a kiln, Earthstone air-drying clay produces an ideal opportunity for pupils to experiment and create with clay. Manufactured by mixing fibres with the most plastic materials available. ES 950 has unrivalled strength and plasticity. The super fine particle size allows model makers to produce very detailed forms. ES 950 can be decorated with acrylic paints and clear varnish with excellent results.

PROFESSIONAL CLAYS

PETER BEARD GROGGED BODY (PF 510)

Peter Beards own clay body recipe is made from a blend of the most plastic white ball clays available today. This white firing, medium textured body is most suitable for hand built pieces to create textural surfaces. A combination of molochite and silica sand gives this body low shrinkage, good

warp resistance and green strength. Firing 1140°C - 1280°C

ASHRAF HANNA RAKU BODY (PF 520)

The very best white smoke fired/raku body on the market. With over 55% molochite, this body can withstand the most extreme thermal shock. This is due to its high alumina plastic ball clay, and three different grades of molochite. This body has very low shrinkage and has a medium texture and is highly resistant to warping and cracking. Firing 900°C - 1200°C

JIM ROBISON CRANK BODY (PF 540)

Heavily grogged coarse crank clay. This body has all the elements to allow the maker to produce large textured sculptural pieces. Made from highly plastic iron bearing ball clays. It offers low shrinkage and is ideal for ceramic murals and figurative work. This body is suitable for oxidising or reduction atmospheres. Firing 1220°C – 1310°C

SVEND BAYER WOOD-FIRING (PF 550)

This clay has been extensively designed with Svend Bayer for wood-firing and in particular prolonged wood-firing. Low iron clays are used to give a vast colour range. Raw Soda Felspar Sand is added to give the clay a slightly grogged feel. Cone 12 can be reached over a long prolonged firing and is suitable for thrown and handbuilt pots. Firing 1240°C - 1300°C

WHITE STONEWARE (PF 560)

Strong fine-grained plastic clay formulated from the purest white ball clays. A superior body with very smooth throwing characteristics. This body has been designed for the professional production potter. Is excellent for domestic ware with good thermal shock properties. It stands up extremely well and fires to an off white colour. It works well in oxidising and reduction atmospheres. Firing 1200°C - 1300°C

Professional Cont'd...

WHITE STONEWARE GROGGED (PF 570)

The same body as PF 560, but with 10% 80's molochite added for potters who require clay with more tooth to aid in the production of larger work with ease of drying. The molochite allows this body to be used for small hand built and coiled pots. Firing 1200°C - 1300°C

SUPERWHITE EARTHENWARE (PF 580)

At last! Superwhite Earthenware, a white earthenware that throws as well as the best stoneware clays. The blend of carefully graded ball clays gives this clay body outstanding plasticity and strength. Being smoother, strong and very plastic, PF 580 is ideal for all production techniques including throwing, pressing and jigger and jollyng. PF 580 also offers excellent glaze fit between 1150°C - 1220°C

PROFESSIONAL REDOX (PF 590)

This body can be fired to cone 10 in reduction or oxidation, and is a beautiful tan coloured smooth to medium textured body. Blended from three of the most plastic ball clays it gives this body the flexibility to be used for small to medium hand built and coiled pots, but can also be used for large domestic ware. Firing 1220°C - 1300°C

ARCHITECTURAL HANDBUILDING (PF 610)

A cheaper alternative to T material this excellent hand building body contains a higher percentage of fine to medium molochite. The molochite gives it superb sculptural qualities with very low shrinkage, approximately 6% at 1280°C. PF 610 is for potters who need a clay that does not warp under extreme conditions. It can be used with confidence to create even the largest pieces. Firing 1180°C - 1300°C

GT MATERIAL (PF 640)

GT Material is a high performance, extremely workable, durable clay body. Carefully selected grades of molochite have been added to give tooth

and strength, minimal shrinkage and excellent thermal shock properties. GT Material can withstand demanding sculptural or tile needs and is ideal for large-size pieces. It is very useful for mixing with other clays to give them strength and can also be used successfully in Raku firings. Firing 950°C - 1300°C

BLACK CHUNKY (PF 660)

Black Chunky Sculpture Clay has a beautiful texture and is excellent for big sculptures and murals. It is a strong body with very low shrinkage, good for building rugged sculptural forms. Its robust nature also makes it ideal for architectural ceramics. Black Chunky Sculpture Clay is the clay for everything from large slabs to sculptural works. Firing 1180°C - 1260°C

SMOOTH TEXTURED BLACK (PF 670)

Smooth Textured Black is good for sculptures, hand building or large thrown pieces. This clay has been specially formulated to fire between 1080°C - 1260°C with very low shrinkage. Its attractive colour and texture gives PF 670 a very distinctive character.

SMOOTH TEXTURED BLACK (PF 680)

Smooth Black contains a fine grog which gives a close texture to the body and a fine surface to finished pieces. This smooth finish should appeal to hand builders or sculptors who produce tiles and relief panels or ceramic murals. PF 680 has been formulated to fire between 1080°C - 1260°C

PLEASE NOTE: We advise customers that the safety data sheets for PF 660/670/680 are consulted and the listed H&S precautions are followed as specified. A Safety Data sheet is issued with our brochure and/or can be downloaded from our website www.valentineclays.co.uk

PORCELAIN WHITE STONEWARE (PF 700)

For some time now we have been asked by our customers to develop a superior, white, porcelain-like clay which is more reliable and easier to work

with than a porcelain body. Porcelain bodies are harder to work with due to their lack of plasticity and are more likely to crack, warp or shrink than stoneware bodies.

PF 700 is not as translucent as porcelain, unless in very thin cross-sections at high temperatures. It is, however just as white, has all the qualities of a good stoneware body and produces porcelain-like results at a lower cost. PF 700 has been formulated from the purest, highest quality white clays to give a porcelain-like appearance but without the difficulties that working with porcelains can create.

PF 700 is suitable for throwing, jigger and jollyng, press moulding and modelling. Firing 1220°C - 1300°C

PORCELAIN CLAYS

AUDREY BLACKMAN PORCELAIN (Very Smooth)

This porcelain was developed for modelling & throwing using the finest materials available. Due to high plasticity this body is not suitable for casting & is only available pugged.

Firing: 1220 - 1280°C (*White and translucent*)

ROYALE PORCELAIN (Very Smooth)

A new addition to our porcelain range. Royale is a blend of Audrey Blackman and Special Porcelain giving high plasticity and ease of handling. Developed due to popular demand by potters throwing in Porcelains.

Firing: 1220 - 1280°C - (*White & translucent*)

SPECIAL PORCELAIN (Very Smooth)

A high quality porcelain which contains finer white clays with a Bentonite addition. Suitable for modelling, hand building and casting.

Firing: 1220 - 1280°C (*White and translucent*)

P2 PORCELAIN (Smooth)

An economy body giving a high degree of translucency at a slightly lower temperature. Suitable for casting & throwing.

Firing: 1220 - 1250°C (*White and translucent*)

MARGARET FRITH PORCELAIN (Smooth)

We have great pleasure in introducing Margaret Frith Porcelain. This Porcelain has been developed as an alternative to our 'Sliphoused' range.

Using the whitest powdered ingredients and homogenised using our specialised mixing equipment, this method long being the preferred way by many potters of offering more plasticity and throwability.

Firing: 1220-1280°C (*White and translucent*)

PLEASE NOTE: Due to the fact of using powdered materials no guarantee can be given of being entirely speck free.

PORCELAIN GROGGED (Medium)

Translucent, very plastic and firing extremely white this porcelain has added fine molochite to facilitate drying without cracking. The fine molochite helps to control the drying and shrinkage making this porcelain much more resistant to warping. It can be used for throwing, handbuilding or sculpture work and can be fired in either oxidising or reduction atmospheres.

Firing: 1220 - 1300°C (*White & translucent*)

INDUSTRIAL PORCELAIN (Smooth)

An extremely hard wearing Porcelain when fired upward of 1200°C. Suitable for throwing and modelling. Also used in grinding applications.

Firing: 1180°C - 1220°C - (*White*)

FINE BONE CHINA (Very Smooth)

This well known body is extensively used in the Stoke-on-Trent area by various Bone China manufacturers. Suitable for casting and machine making. 38 Bullers Ring - Firing Temp 1240°C - (*White and translucent*)

Porcelain Clay Cont'd...

PARIAN BODY (*Smooth*)

The name Parian is derived from Paros, the Aegian Island famous for its beautiful white marble widely used for sculpture by the classical Greeks. Parian ware became very popular in the mid-nineteenth century and was manufactured by many notable Stoke-on-Trent potteries.

Parian is a self-glazing body, extremely translucent through a large temperature range. Ideally suited for casting to produce figurines, dolls and light forms etc.,

PLEASE NOTE: This body contains a very white felspar which uses a floatation method of particle distribution and some frothing may occur when making casting slip under high speed mixing. Slow agitation is recommended

Firing: 1200 - 1240°C (*White and translucent*)

EARTHENWARE CLAYS

ETC SEMI-PORCELAIN (*Smooth*)

ETC is a non-bone translucent body formulated to fire alongside Bone China.

Firing: 1220 - 1250°C (*White and translucent*)

STANDARD WHITE EARTHENWARE (*Smooth*)

This body produces an excellent casting slip and gives good green fired strength. Suitable for once-firing.

Firing: 1120°C - 1160°C - (*White firing*)

LF WHITE EARTHENWARE (*Smooth*)

An off white clay with a wide firing range. Suitable for throwing, machine making and slab building.

Firing: 1060°C - 1160°C (*Off white colour*)

WHITE EARTHENWARE GROGGED (*Medium*)

This new grogged white earthenware is suitable for larger work containing an addition of white grogg increasing resistance to cracking and warping.

Firing range: 1080°C - 1180°C (*off white*)

CWE (*Smooth*)

CWE is a newly developed white earthenware clay containing highly plastic ball clays and china clays. It has superb throwing capabilities and is suitable for slab building.

Firing: 1060°C - 1160°C

PAPER CLAYS

Contains finely chopped fibres of flax and Cellulose, which added to our own clay recipe produces very forgiving clay bodies that offers today's potter the widest possible range of making options. FLAXpaperCLAY gives the clay strength and flexibility while remaining lightweight. The clay has virtually no mould growth unlike all other paper clay bodies and will accept a range of firing types, Raku, Oxidation, Reduction, Salt and Soda.

The fibres create strong but flexible internal structure in the clay and creates a 'capillary system' that transfers moisture easily and evenly throughout the clay. Greenware re-wets easily and allows the potter to re-work, alter and add new clay at any stage of dryness. It is possible with FLAXpaperCLAY body to build an armature and allow it to dry as a support sculpture that need not be removed for firing. Greenware even bone dry is unbelievably strong and easy to handle and transport if necessary. It allows the potter to be more of an artist and less of a technician.

PLEASE NOTE: ES 600 contains cellulose fibre this may contain traces of carbon that are produced during the production of the fibre which may result in the occasional speck in the clay.

POWDERED CLAYS

RED TERRACOTTA GROGGED (*Medium*)

This body casts well due to medium sized grog added. Good for casting medium to large items like garden pots or urns. A beautiful rich terracotta coloured clay, when fired to 1080°C.

Firing: 1080°C - 1160°C (*Light red becoming darker as temperature is increased*)

WHITE/BUFF STONEWARE (*Smooth*)

This clay has an exceptional wide firing range due to the formulation. Based on the Earthstone Extra Smooth (E/S 10) clay with fillers added to help casting it has shorter casting times than other stoneware bodies.

Firing: 1160°C - 1280°C (*Off white*)

PORCELAIN (*Smooth*)

The same recipe as plastic special porcelain makes a superb casting slip or the base for decorating slips. It has good translucency even at lower temperatures and fires very white.

Firing: 1220 - 1280°C (*White & translucent*)

ETC SEMI-PORCELAIN (*Smooth*)

ETC is a semi-porcelain white body which fires like Parian or Porcelain at 1180°C - 1220°C. It is an excellent casting clay, with good glaze fit and slightly transparent when thin.

Firing: 1220 - 1250°C (*White and translucent*)

WHITE EARTHENWARE BODY (*Smooth*)

Traditional white burning body containing ball clay, china clay, flint and flux. Ideal for casting small to medium items with good glaze fit. Also ideal for making your own decorating slips, just add glaze or body stains through 100s mesh sieve.

Firing range: 1080°C - 1160°C (*White*)

EARTHSTONE Q CAST (*Smooth*)

Potters who have struggled with stoneware casting will find this slip a real pleasure to use.

Formulated in the Earthstone laboratory, Q Cast is a dependable white firing stoneware casting slip suitable for oxidation or reduction firing. It casts more quickly and releases more easily than most other casting slips.

Very strong in the wet or greenware stages with low shrinkage, it is highly resistant to warping and cracking with good thermal shock properties and excellent glaze fit.

Firing: 1220°C - 1300°C (*Off white to buff*)