

## Reality Series LSR

### A Unique Pigment Range for Intrinsic Skin Coloration of Addition Cure Silicones

Spectromatch has developed a unique colouring range that will make skin matching quicker and easier than ever before. It enables improved levels of colour constancy under various lighting conditions and between different observers.

The Reality Series skin colouring system is specially formulated to reduce metamerism.

The Reality Series consists of thirteen base skin tones and four tints.

In combination with our Expert Series Flocks a greater variety of colour textures can be achieved.



Prosthesis viewed under daylight, tungsten and fluorescent respectively

### Reality Series LSR

The pigments are supplied pre-dispersed in Technovent's M511 Rubber (Part A) for easier and quicker colour matching.

Each Reality Series pigment is added to the M511 Rubber at the precise pigment loading to give the final prosthesis a natural translucency.

Reality Series LSR colours are available in 50, 125 and 250gm pots.

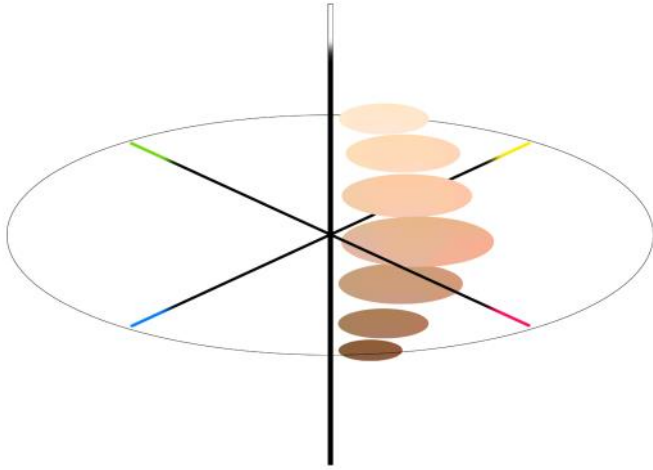
A starter kit is available that consists of 50gm of each shade and a swatch guide.



### How does it work?

- By utilising our database of hundreds of measured skin tones we have been able to construct a range of base shades that will provide accurate starting points for any skin tone.
- Each Reality Series base shade is formulated from our Expert Series pigments to reproduce the spectral characteristics of a measured skin tone.
- We have produced a set of tints from our skin formulation algorithms that will achieve a match for any skin tone when used in conjunction with the range of base shades.
- The tints reduce recipe sensitivity so that there is much less likelihood of under or overshooting when adjusting a mix.
- Using Spectromatch technology means that our Reality Series colours will mimic the optical properties of real skin so that a match is maintained when viewed under different lighting conditions and by different observers.

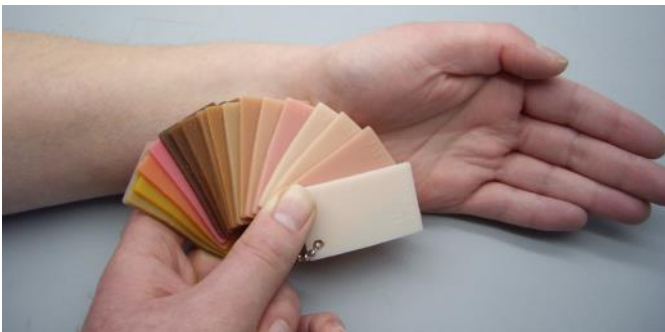
- Skin translucency data has allowed us to derive the exact pigment loading levels required to achieve the most natural looking prosthesis for any skin tone.



How skin colours occupy the CIE Lab colour space

## Using Spectromatch Reality

To start the colour match use the Reality Series swatch guide to select the closest base shade or shades to the patient's skin tone.



Base shade selection using the swatch guide

Select the required floccs from our Expert Series to achieve the correct colour texture.

The colour should then be fine-tuned using the tints

to push the colour in the required direction to achieve an optimum match.

As no primary colours are used there is a considerable reduction in the margin for error when adjusting a colour.

The Reality Series is simply the best system for reducing metamerism when matching by eye.

## Technical Information

- Our pigments are dispersed into a functional silicone base that will cure as part of the silicone system ensuring very stable coloration.
- All our pigments have been selected to have a high degree of light fastness.
- Our pigments are dispersed using a three roll mill enabling us to achieve homogenous pigment particle dispersion with no pigment agglomerates above 10µm.
- Using the latest colour measurement technology we ensure a batch to batch colour consistency of <math><1 \Delta E</math> (CIE de2000)
- Our tightly controlled manufacturing process guarantees consistent colour strength of  $\pm 1\%$  enabling clinicians to formulate and reproduce their own recipes.
- Silicones coloured with our pigments can be cured at temperatures up to  $110^{\circ}\text{C}$
- Custom colours are available on request please contact us for more information. Minimum order quantities may apply.
- All our colorants conform to EU Medical Devices Directives 93/42/EEC and 2007/47/EC, are classed as a Class 1 Medical Device Accessory and carry the CE mark.