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## Impregnations and stiffeners

### Impregnations and stiffeners

These are chemical compounds that prevent the wear of the cotton, sisal, etc. fibres, by sealing them, increasing their melting/breaking point, or giving the polishing paste a greater adherence.

We distinguish two groups: stiffeners and impregnations.

The former are treatments applied to the cotton fabrics at their origin. The manufactured disc has a greater resistance to work pressure but the adding of polishing paste is more difficult.

The latter are treatments applied to the discs once they have been manufactured. We distinguish two types of treatments: Firstly, varnishes, and secondly, thermally hardened plastics. The latter preserve the mechanical qualities of the disc through time and do not become harder through time as is the case with varnish treatments.

As for the stiffeners:

- White stiffener: great hardness

As for the impregnations, the following table is included:

#### NEW IMPREGNATIONS CHARACTERISTICS TABLE

REF.	COLOUR	Drying period	Hardness / Characteristics	% Δ	Old name
T1	Pumpkin	5-7	Medium / Oily touch. For cotton discs	20	Pumpkin
T1R	Pumpkin	5-7	Medium (less than T1) / Oily. Ditto.	20	
T3(T3M)	Yellow	1-2	Soft / oily touch. Sisal and sisal/cotton	17	Canary
T4	Green	1-2	Soft / Dry touch. Special aluminium	14	Emerald
IZ	Blue	3	Very high / dry touch. Sisal and sisal/wavy cloth	20	
E25	Yellow	3	High / dry touch. Ditto.	20	
E26	Pink	3	Medium-high / dry touch. Waves, sisal and sisal rope	20	
E28	Yellow	3	Medium Low / slightly oily. Ditto	20	
E12	Light Green	3	Medium-high / dry touch (for sisal). Sp. CS	20	
TI	Colourless	3	Medium-low / Permanent sticky touch	20	
TS	Colourless	3	Low / Permanent sticky touch	20	
E71 (*)	Colourless	3	High-medium / semidry touch	20	
E60 (*)	Colourless	3	Alta / tacto seco	20	
S1	Caramel	5-7	Media / tacto aceitoso. Sisal Cuerda	17	Glue
S3	Dark green	3	Alta/ tacto semi-seco. Sisal Cuerda y CS	20	Apple

(\*) Impregnations only for abrasive fibre.

% Δ - This column indicates the percentage by which the price is increased compared with the non impregnated product.