## Wet End - Process Formulation (RETAN)



| Nų 20 FARROW WET END.xlsx |                            | Date:        |                |
|---------------------------|----------------------------|--------------|----------------|
|                           |                            | Technician:  | Bruno Parreira |
| Company:                  | <u>TFL</u>                 | Score:       | Select Score   |
| Type of Leather:          | Shoe Upper & Leather Goods | Trial - N°:  |                |
| Aim of Trial:             | FARROW                     | Color:       |                |
|                           |                            | Piece count: |                |
| Project - N°:             |                            | Substance:   | 1,30 mm        |
| Material:                 | WB                         | Weight:      |                |
| % refer to:               | Shaved weight              | Drum - N°:   |                |

| Operation    | Add | %      | Weight | Product             | Temp. | Dilution | Time   | Control     |
|--------------|-----|--------|--------|---------------------|-------|----------|--------|-------------|
|              |     |        | in kg  |                     | in °C | (1 : x)  | in min |             |
|              |     | 250,00 |        | Water               | 35    |          |        |             |
|              |     | 0,30   |        | Sellatan PA         |       | 10       | 30     |             |
| Orain        |     |        |        |                     |       |          |        |             |
|              |     | 100,00 |        | Water               | 35    |          |        |             |
|              |     | 2,00   |        | Chrome              |       |          |        |             |
|              |     | 2,00   |        | Tannesco HN new liq |       |          | 120    | pH:3,8/4    |
|              | +   | 2,00   |        | Sellasol NG liq     |       |          |        |             |
|              |     | 2,00   |        | Sodium Formate      |       |          | 30     |             |
|              | +   | 0,80   |        | Sodium Bicarbonate  |       |          |        |             |
|              |     | 1,00   |        | Magnopal SOF        |       |          | 120    | pH: 5,0/5,5 |
| Drain        |     |        |        |                     |       |          |        |             |
|              |     | 200,00 |        | Water               | 30    |          | 10     |             |
| Orain        |     |        |        |                     |       |          |        |             |
|              |     | 50,00  |        | Water               | 30    |          |        |             |
|              |     | 6,00   |        | Magnopal PGN        |       | 3        | 30     |             |
|              |     | ,      |        | <u> </u>            |       |          |        |             |
|              | +   | 8,00   |        | Tanigan FA-O        |       |          |        |             |
|              |     | 4,00   |        | Chestnut            |       |          |        |             |
|              | +   | 2,00   |        | Tanigan RFS Liq     |       |          | 40     |             |
|              |     | 2,00   |        | SELLAFAST           |       |          | 90     |             |
|              |     |        |        | SEEDI AST           |       |          | 30     | P           |
|              | +   | 100,00 |        | Water               | 50    |          | 10     |             |
|              | T   | 6,00   |        | Levotan PS          | 30    |          | 10     |             |
|              |     | 2,00   |        | Levotan WS          |       |          | 60     |             |
|              | +   | 1,00   |        | Formic Acid         |       | 10       | 15     |             |
|              | +   | 1,50   |        |                     |       | 10       |        |             |
| 5            | +   | 1,50   |        | Formic Acid         |       | 10       | 30     | pH: 3,4/3,6 |
| Orain        |     | 200.00 |        | 14.                 | 20    |          | 4.0    |             |
|              |     | 200,00 |        | Water               | 30    |          | 10     |             |
| Orain        |     | 15000  |        | 1                   |       |          |        |             |
|              |     | 150,00 |        | Water               | 30    |          |        |             |
|              |     | 3,00   |        | Chrome              |       |          | 90     |             |
| Orain        |     |        |        |                     |       |          |        |             |
|              |     | 200,00 |        | Water               | 30    |          | 10     |             |
| Orain        |     |        |        |                     |       |          |        |             |
|              |     | 200,00 |        | Water               | 30    |          | 10     |             |
| Drain        |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              | 1 1 | +      |        |                     |       |          |        |             |
|              |     |        |        |                     |       |          |        |             |
|              | ++  | +      |        |                     |       |          |        |             |
|              | +   | +      |        |                     |       |          |        |             |
|              |     | +      |        |                     |       |          |        |             |
| Maskariani O |     |        |        |                     | 0     |          | L      |             |

Mechanical Operation: Process Information:

Horse-up, set-out, vaccum dry 240sec45°C, hang dry, stake.

Running Time: 11 hrs 45 min

Our application recommendations are in line with our present state of knowledge. They do not, however, exempt the customer from performing his own tests to determine the suitability of the supplied products for their intended purposes. Application of the products lies outside the scope of our control and therefore comes within the customer's sphere of responsibility. We guarantee the satisfactory quality of our products subject to general terms, of sale and delivery.

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