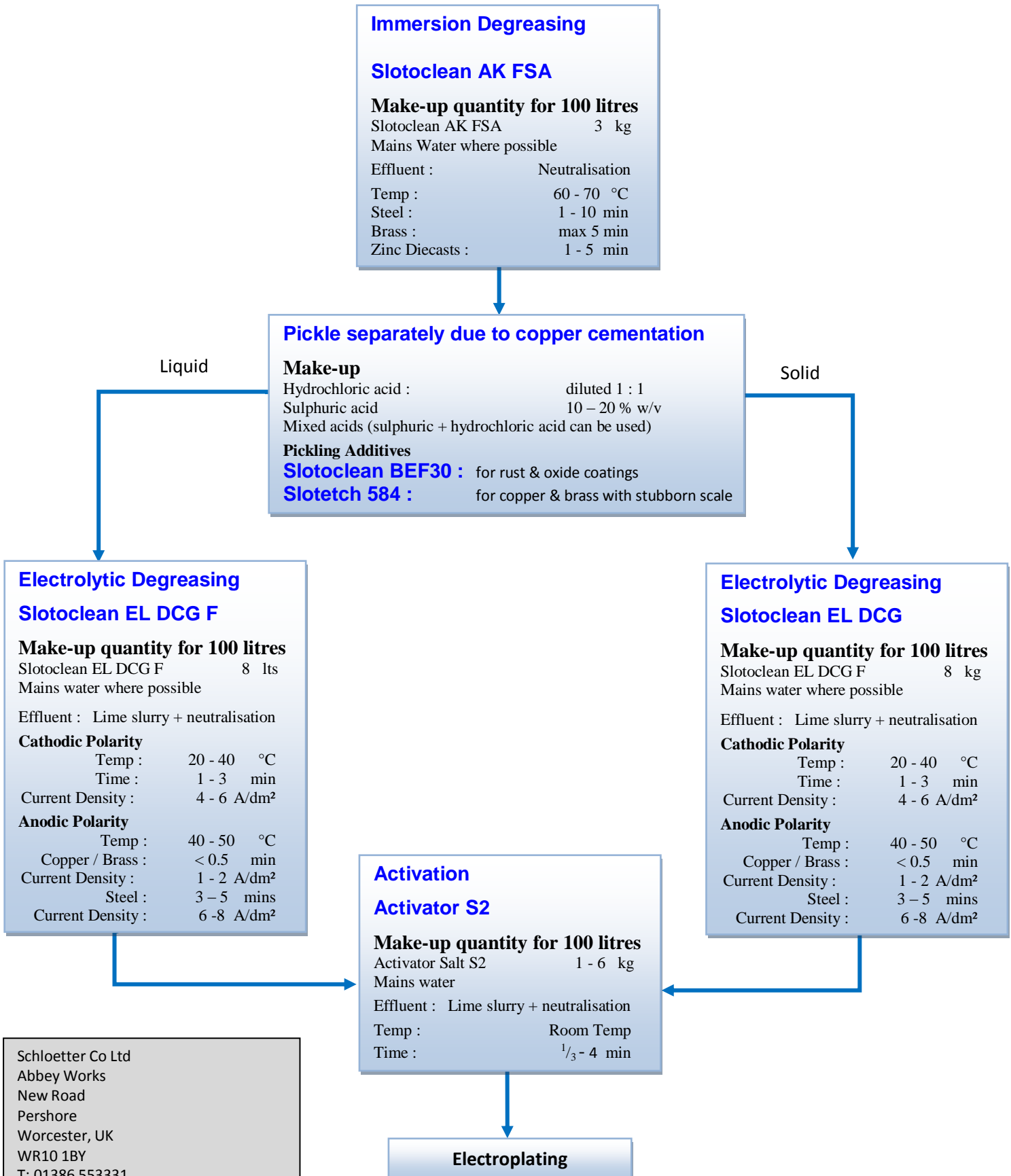


# Product Guide: Pretreatment for Steel, Copper, Brass and Zinc Diecasts

Greased, Oiled



**Immersion Degreasing**

**Slotoclean AK FSA**

**Make-up quantity for 100 litres**  
 Slotoclean AK FSA 3 kg  
 Mains Water where possible

Effluent : Neutralisation

Temp : 60 - 70 °C

Steel : 1 - 10 min

Brass : max 5 min

Zinc Diecasts : 1 - 5 min

**Pickle separately due to copper cementation**

**Make-up**  
 Hydrochloric acid : diluted 1 : 1  
 Sulphuric acid 10 - 20 % w/v  
 Mixed acids (sulphuric + hydrochloric acid can be used)

**Pickling Additives**  
**Slotoclean BEF30** : for rust & oxide coatings  
**Slotetch 584** : for copper & brass with stubborn scale

**Electrolytic Degreasing**

**Slotoclean EL DCG F**

**Make-up quantity for 100 litres**  
 Slotoclean EL DCG F 8 lts  
 Mains water where possible

Effluent : Lime slurry + neutralisation

**Cathodic Polarity**  
 Temp : 20 - 40 °C  
 Time : 1 - 3 min  
 Current Density : 4 - 6 A/dm<sup>2</sup>

**Anodic Polarity**  
 Temp : 40 - 50 °C  
 Copper / Brass : < 0.5 min  
 Current Density : 1 - 2 A/dm<sup>2</sup>  
 Steel : 3 - 5 mins  
 Current Density : 6 - 8 A/dm<sup>2</sup>

**Electrolytic Degreasing**

**Slotoclean EL DCG**

**Make-up quantity for 100 litres**  
 Slotoclean EL DCG F 8 kg  
 Mains water where possible

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 Current Density : 6 - 8 A/dm<sup>2</sup>

**Activation**

**Activator S2**

**Make-up quantity for 100 litres**  
 Activator Salt S2 1 - 6 kg  
 Mains water

Effluent : Lime slurry + neutralisation

Temp : Room Temp

Time : 1/3 - 4 min

**Electroplating**

Schloetter Co Ltd  
 Abbey Works  
 New Road  
 Pershore  
 Worcester, UK  
 WR10 1BY  
 T: 01386 553331  
 F: 01386 561005  
 E-mail: [info@schloetter.co.uk](mailto:info@schloetter.co.uk)  
 Web: [www.schloetter.co.uk](http://www.schloetter.co.uk)