### **STRUCTURAL**

Adapted for both extruded and soft mud bricks, roof tiles, pavers, facades and large format bricks.



# Additive A Additive A Clay conditioners to optimise your production efficiency 1] Reduction in

#### **REASONS TO USE ADDITIVE A CLAY CONDITIONERS:**

- making moisture
- 2] Increase of mechanical strength
- 3] Neutralisation of soluble salts
- **4**] Increase clay workability

#### COST SAVINGS:

- 1] Up to 10% increased production rates
- 2] Up to 20%
- increased profits 3] Incremental loss
- savings up to 15%

#### WHICH LEADS TO:

- **1**] Reduction in drier energy costs
- 2] Reduced cracking and waste
- 3] Increased extrusion rates

# BENEFITS

#### **GREEN**

- Flexibility to use less plastic clays
- Increased extrusion rates
- Increased green strength
- Increased clay workability
- Increased life of wearing parts
- Reduced energy consumption
- Reduced need for die lubrication
- Reduced waste
- Reduced water

#### DRY

- Elimination of salt scumming
- Faster and safer drying
- Increased dry strength
- Reduced breakage
- Reduced chipping
- Reduced cracking
- Reduced handling damage





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WITHOUT

- 50m Bricks P.A.
- 95% Facings
- 2% Cracking
- 2% Waste
- 20% Perforation
- Profit £900,000

- 52m Bricks P.A.
- 97% Facings

WITH

- No Cracking
- 0.5% Waste
- 25% Perforation
- Profit £1,050,000

ndustrial Example

#### **1. CLAY CONDITIONERS**

- Additive A45: Low sugar lignosulphonate no lubrication
- Additive A2SR: Low sugar lignosulphonate with lubrication

#### 2. CLAY CONDITIONERS WITH ANTI-SCUMMING

- Additive A3SR: Low sugar lignosulphonate with lubrication and medium degree of anti-scumming
- Additive A4SR: Low sugar lignosulphonate with lubrication and medium to high degree of anti-scumming
- Additive A45B: Low sugar lignosulphonate with medium degree of anti-scumming

#### **3. ANTI-SCUMMING AGENTS**

- Additive A30B: Low sugar lignosulphonate with high degree of anti-scumming
- Additive ASC: High solids suspension of Barium Carbonate with high reactivity
- Barium Chloride Solution: 15% strength anti-scumming agent