

ALUDYE BROWN A2RL

ANODISING DYE

INTRODUCTION

ALUDYE BROWN A2RL is a dye in powder form providing a copper shade on anodized aluminium. A2RL has good all around fastness properties.

BENEFITS

- Stable brown colour
- Excellent light fastness

SOLUTION MAKE-UP

ALUDYE BROWN A2RL 5g/l in DI water

It is essential that the tanks to be used for ALUDYE BROWN A2RL are thoroughly cleaned and leached before any chemistry is introduced. If in any doubt as to the cleaning procedure please contact PMD (UK) Technical Department.

1. Add DI water to tank and heat to 60c
2. Add ALUDYE BROWN A2RL and mix thoroughly until fully dissolved
3. Check pH and adjust if required

OPERATING DATA

| | |
|----------------------|---|
| Concentration | 4-5 g/l |
| Temperatures | 55-60c |
| Buffer time | The bath must be buffered with 8g/l sodium acetate tri hydrate 0.4ml/l acetic acid for pH 5.5 |
| Time | 10-15 minutes |
| Sealing | The dyed oxide film must be properly sealed properly using ALISEAL HT |

EQUIPMENT

| | |
|----------------|--------------------------------|
| Tanks | Polypropylene, Stainless Steel |
| Heaters | PTFE, Stainless Steel |

PROCESS SEQUENCE

1. Anodise
2. Rinse
3. Aludye Brown A2RL, 5g/l, 15mins
4. Rinse
5. ALISEAL HT
6. Rinse
7. DI water rinse
8. Dry

MAINTENANCE AND CONTROL

Maintain solution level with DI water.

Additions of ALUDYE BROWN A2RL are added to maintain colour required
pH is maintained by the addition of dilute sodium hydroxide to raise or dilute acetic acid to lower.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

| PRODUCT NAME | PRODUCT NUMBER |
|-------------------|----------------|
| ALUDYE BROWN A2RL | 250004 |
| ALISEAL HT | 251003 |

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