



## **CERTIFICATE OF COMPLIANCE**

REPORT NUMBER: CC032604JS

Date: March 26, 2004

### **Product: TRI-ACQ™ long-life coating for ACQ treated wood**

#### **1.0 Purpose**

The following are the requirements for fasteners which are TRI-ACQ™ long-life coated

#### **2.0 Coating Specification**

.0003" Min electro zinc and yellow dichromate base coat with two coats of dip spin coating.

#### **3.0 Corrosion Requirement**

Salt Spray Test - 1,000 hrs minimum (per ASTM B-117).

Kesternich Test - 30 cycles minimum (per DIN50018-1.0)

#### **4.0 Coating Types**

Various proprietary coatings are available under numerous brand names. It is recognized that with

any of these coatings, that a minimum corrosion requirement in the form of salt spray and kester nich must be achieved.

##### **4.1 TRI-ACQ™ Long-Life Coating Material**

###### **4.2 Description**

MAGNI 599 (or equivalent) is a duplex fastener coating system that combines an electroplated zinc and chromate substrate with an organic topcoat. The electroplated zinc layer provides sacrificial protection of the steel substrate while the topcoat creates a durable barrier. This coating system is engineered to provide extend field life and improve mechanical performance of fasteners such as wood and decking screws. It cross-links at a PMT of 4000 F and provides excellent chemical and fluid resistance.

###### **4.3 Use**

MAGNI 599 (or equal) when applied over zinc and yellow dichromate offers increased corrosion in ACQ treaded wood while maintaining consistent torque and galvanic protection.

###### **4.4 Performance**

Salt Spray: 1,000 hrs with two coats (approximately 1.5 mil thick)

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FASTENING SYSTEMS DESIGN AND ENGINEERING CENTER

#### 4.5 Colors

Silver-grey / Yellow

#### 4.6 Physical Properties

Viscosity: 25-40 sec Ford #4 @ 800F

Theo. Coverage (ft.2/gal): 1027 @ 0.5 mil

Weight per Gallon: 9.3#

Weight Solids: 45%

#### 4.7 Application

Dip/spin

Approved: \_\_\_\_\_

Joe Stager

VICE PRESIDENT

Product Development and Marketing

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