

## **TECHNICAL DATA SHEET**

# **PERFORMANCE MTA** **MULTIFUNCTIONAL TECHNICAL ADDITIVE**

### **INTRODUCTION**

**MTA** is a multifunctional technical additive which gives hiding power (opacity), flow and brushability to waterborne paints.

**MTA** is a special additive based on micro sphere homogenously dispersed. **MTA** looks like a fluid cream similar to the paint but it's constituted by micro spheres invisible to the human eyes. The dispersion is completed with a binder which aggregate the spheres and improves the wet abrasion resistance (scrub resistance) and resistance to atmospheric agents. The size and hardness of the spheres guarantee the brushability of the paints added with **MTA**. The spheres work as an internal solid lubricating agent. The composition of the spheres improves the hiding power (opacity) of the paints.

**MTA** is useful for all the waterborne paint which has to improve in terms of hiding power (opacity) and flow during the drying time. **MTA** can be used in all the internal and external paints. The additive improves the wet abrasion resistance and resistance to atmospheric agents.

The VOC (Volatile Organic Contents) of **MTA** is 15 gr/lt (D.lgs. n.161 27/03/2006). This means that is possible to add **MTA** to all the waterborne paints without changing the solvent emission in the atmosphere.

**MTA** gives to the paints the following performances:

- brushability
- flow during the drying time
- hiding power (opacity)
- low VOC (15 gr/lt)
- reduction of specific weight (more or less -3 %)
- resistance to wet abrasion and atmospheric agents
- It's useful for internal and external paints.

### **USEFUL**

**MTA** is used as additive for waterborne paints. It's suggested its use in post adding directly into the commercial can or in tank during the production. The suggested quantity of use is + 4.0% w/w of the paint. The use of **MTA** reduces the specific weight guaranteeing a reduction of the cost of production.

## **CHEMICAL-PHYSIC PROPERTIES**

Aspect: white cream

pH at 20°C: 6.5 – 7.5

specific weight at 20°C: 1.00 – 1.15 gr/ml

viscosity at 23°C: 4500 - 6500 cps

dispersion in water: complete

## **HANDLING – STABILITY & PACKING:**

**MTA** does not have problems of stability when kept in a dry place, at room temperature and in the original sealed containers. The maximum period of storage is 12 months. Conditions to be avoid: temperature below 5°C and temperature above 40°C.

Concerning the possible hazardous consult the MSDS.

Liability warning: the advice and indications in these technical notes are based on our experience,  
but we cannot accept liability for them.

Our technical service is at your disposal for any further details.