

Arenzano, October the 26<sup>th</sup> 2016

**To whom it may concern**

Re: **HYDROGUARD HB** products range

The products of the **HYDROGUARD HB** range are examples of the most advanced Ti.Pi.Ci. technology in the waterborne "mastic" line and are based on unique combinations of raw materials. Such combinations give the range an extremely low surface tension, an exceptional "wetting" power and excellent "surface tolerant" characteristics.

All products of this range deeply penetrate the "dips" on the surface, have a high power of adhesion to it, show a great "surface sealing" feature, a high elasticity, a good property of facilitating the flow of fluids in contact and their major barrier effect minimizes the coating permeability.

They are compatible with most of the other kinds of coatings.

**PENETRATION**

The level of penetration is so high that they can grant a long life also to surfaces prepared by means of high pressure washing (over 500 atm.) or mechanical cleaning. If applied directly on concrete, they guarantee a good wetting of surface.

**ADHESION**

In case of mechanical breakages, their special adhesion power, a fundamental feature of this range of products, reduces troubles of "detachment" and "flaking" (delamination) next to the film cut, thus limiting any further damage during the surface high pressure cleaning.

**SURFACE PREPARATION TOLERANCE**

The water-based products belonging to the Ti. Pi.Ci. **HYDROGUARD HB** range can be applied also on areas that, being difficult to be reached, may have a rough preparation.

**HUMIDITY RESISTANCE**

The hydrocarbon resin of the binding and the intrinsic barrier effect of these products increase humidity resistance and minimize permeability.

**NORSOK M-501 PREQUALIFICATION**

**HYDROGUARD HB**, in its basic version, is present in the pre-qualified NORSOK M-501 systems.

**LOW EMISSION (VOC Volatile Organic Compounds) AND HIGH THICKNESS PER COAT**

The Ti.Pi.Ci. water-based **HYDROGUARD HB** range is the most up-to-date answer to the request of using eco-friendly protective products, allowing a low emission of Volatile Organic Substances (SOV) (a maximum of 90 grams per litre vs. 200-270 of similar solvent-based products) during application and the achievement of dry film high thickness (up to 250-300 microns per coat).

**OVERCOATING WITH NO TIME LIMITS**

The whole water-based **HYDROGUARD HB** range allows overcoating with the same product with no time limits. The surface to be covered must be clean, de-greased and without incoherent parts, but no in-depth preparation is needed in order to receive further compatible coats.

This peculiarity guarantees the utmost ductility in working phases and in the needs of the site.

**Ti.Pi.Ci. s.a.s.**

**Ti.Pi.Ci.** s.a.s. di C.M. Pinto & C.

Via Val Lerone, 21 – 16011 Arenzano (GE) – Tel. 0109111368 r.a. – Fax 0109134188

P.IVA e C.F. 01346900994– e-mail: [info@tipici.net](mailto:info@tipici.net)