ALKEMIA

Innovative Chemical Products and Paint Finishes

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Presents:

TENAX

Innovative invisible primer for aluminium, zinc coated steel, iron and any type of plastic material.

Quick and effective adhesion and offers protection of paint layers, sealants and substrates.

Milano 09/09/2011

TENAX

It is an innovative product that within minutes of degreasing the surface of aluminium, galanized iron, or plastics from contaminates, creates a subtle corrosion barrier that prevents oxidation and corrosion underneath the surface.(tested in a saline mixture for 250hrs and 500hrs respectively for dual layers.)

At the same time ensures maximum adhesion with most paints and varnishes for finishing or sealants, (1 k-2 k, acrylic, polyurethane, epoxy, etc. Excluding alkyd on galvanized) on any type of metal surface and certain types of plastics: it is practical and easy to use: simply spray from a distance of 20 cm -wait 30 minutes. Then proceed with paint or sealer.

TENAX TECHNOLOGY:

The special polymer of TENAX creates a bi-functional interface between the metal or plastic and subsequent layers of coating, it guarantees a strong adhesion that is created by the nano polymer layer that envelopes both the primer and metal or plastic when applied creating an organic and inorganic combination and adhesion.

Tenax

Safe for your health and the enviroment:

Thanks to the special spray solution or pen no toxins are released into the enviroment.

The innovative technology of TENAX is produced without using chrome, zinc, nickel, or other metals as a derivative, which are dangerous for your health and the enviroment.

TENAX

SIMPLE, PRACTICAL & EFFECTIVE:

TENAX allows you to dramatically reduce working time and avoid the use of wash primers or other spray primers for aluminum or other metals on small and medium-sized areas, eliminating preparation time, use of an airbrush, washing equipment and disposal of excess product.

Avoids the time and material needed to mask the area of repair and eliminates the wait time of sanding and the ususal drying time of primers. It is useful in all situations where you need to paint directly on polished aluminium and metals and in particular for small bodywork repairs.

Safe for both your health and the enviroment... this product contributes to the protection of the health of the operator and the environment.

TENAX can be used for:

Car refinishing and Smart repair.

Automotive industry.

Nautical and Aeronautical industries.

Can be used with polished aluminium finishes .

Galvanized sheet metal.

Coupling and sealing of metals in methalcrylate.

TENAX: Application instructions:

1 Clean the surface using an antisilicone detergent.

2 Apply the primer on the area needed.

☝ Wait 1-3 minutes for adhesion and then continue as normal with painting or finishing.

TENAX: Application instructions for Smart repair:

1 Follow the instructions above

2 If small repairs or paint spilling occurs the following can be done :

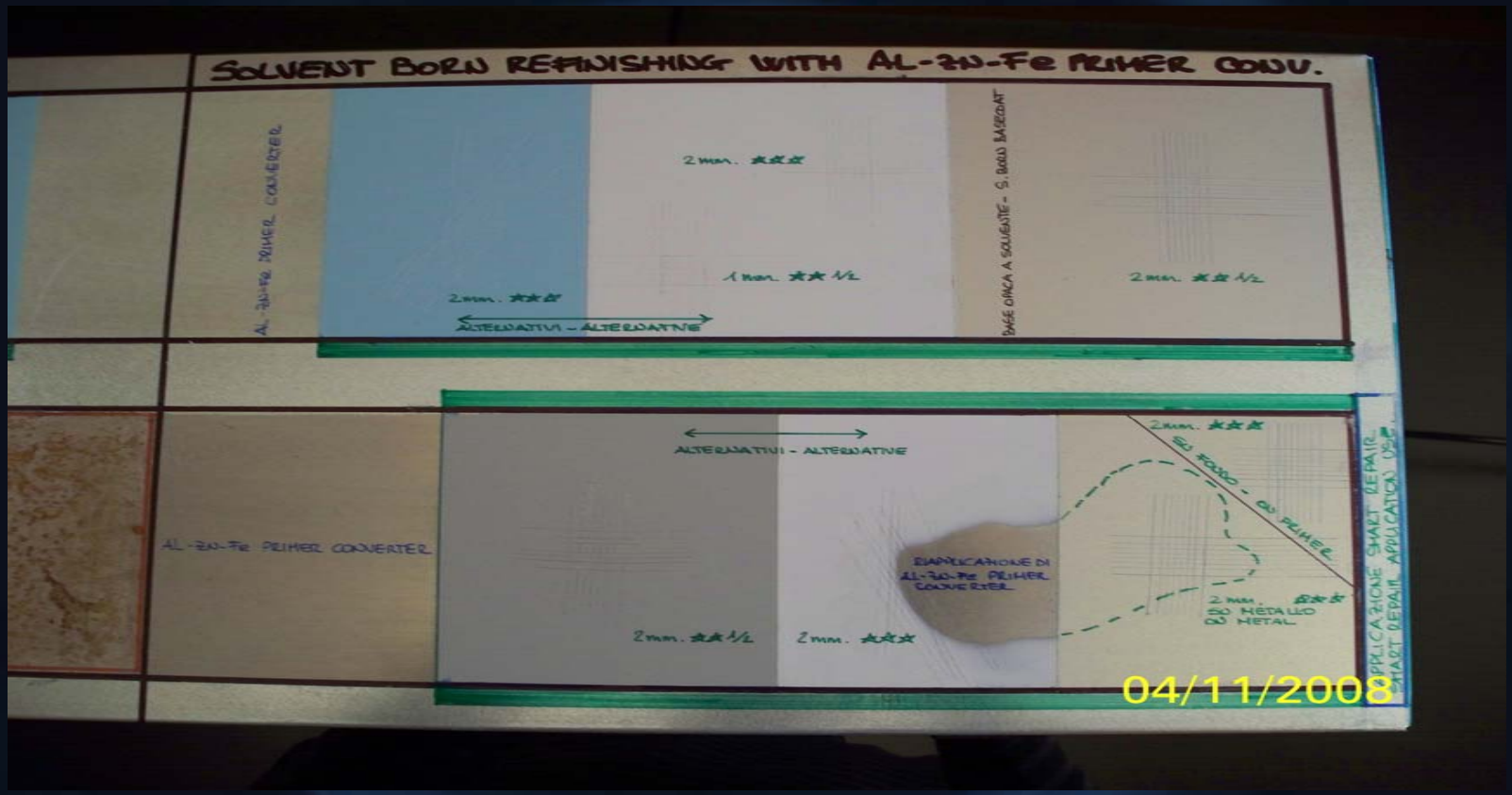
Dry sand the area using 500p-600p. Clean with antisilicone detergent and water.

3 Apply the primer and wait for it to dry.

4 Apply a basecoat directly onto the area and then finish with a clearcoat 2K.

Standard Applicaiton using *TENAX*:

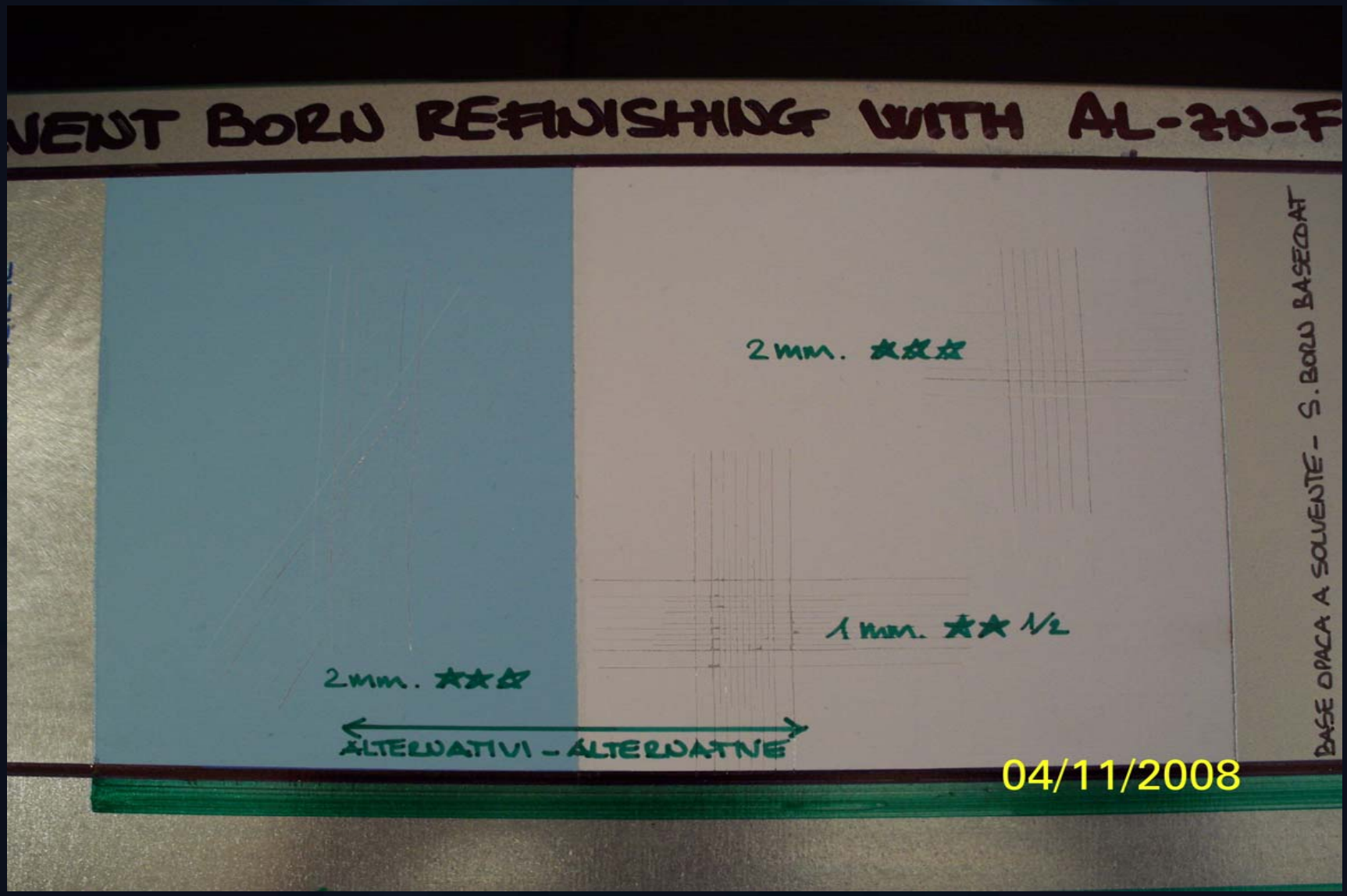
on sheet metal casing, basecoat or transparent finishes Excellent Adhesion.

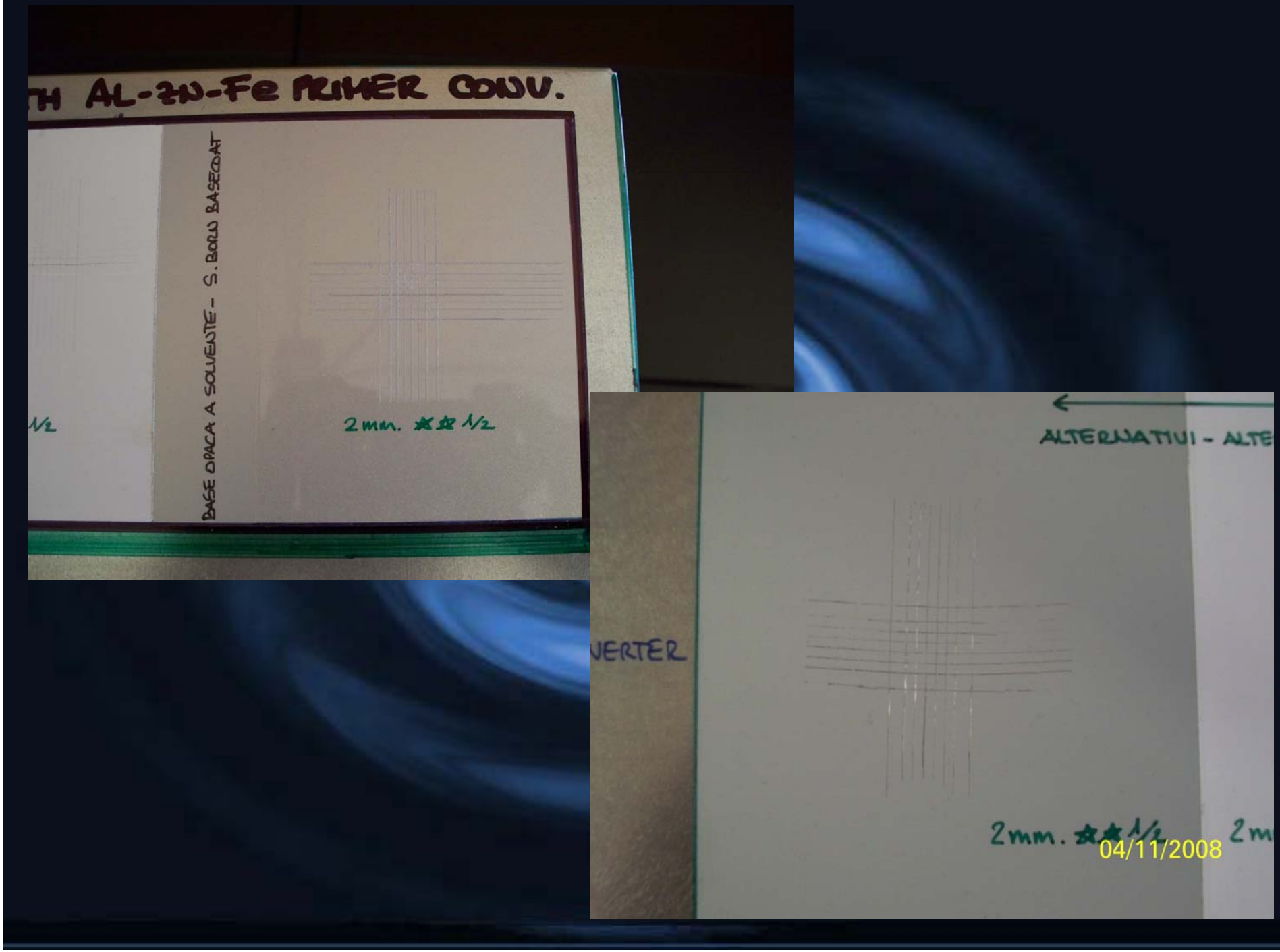


Standard small repair and Applicatoin using TENAX:

On iron sheet: bottom is 1k nitro-alkyd enamel which has been sanded completed with basecoat and clearcoat.

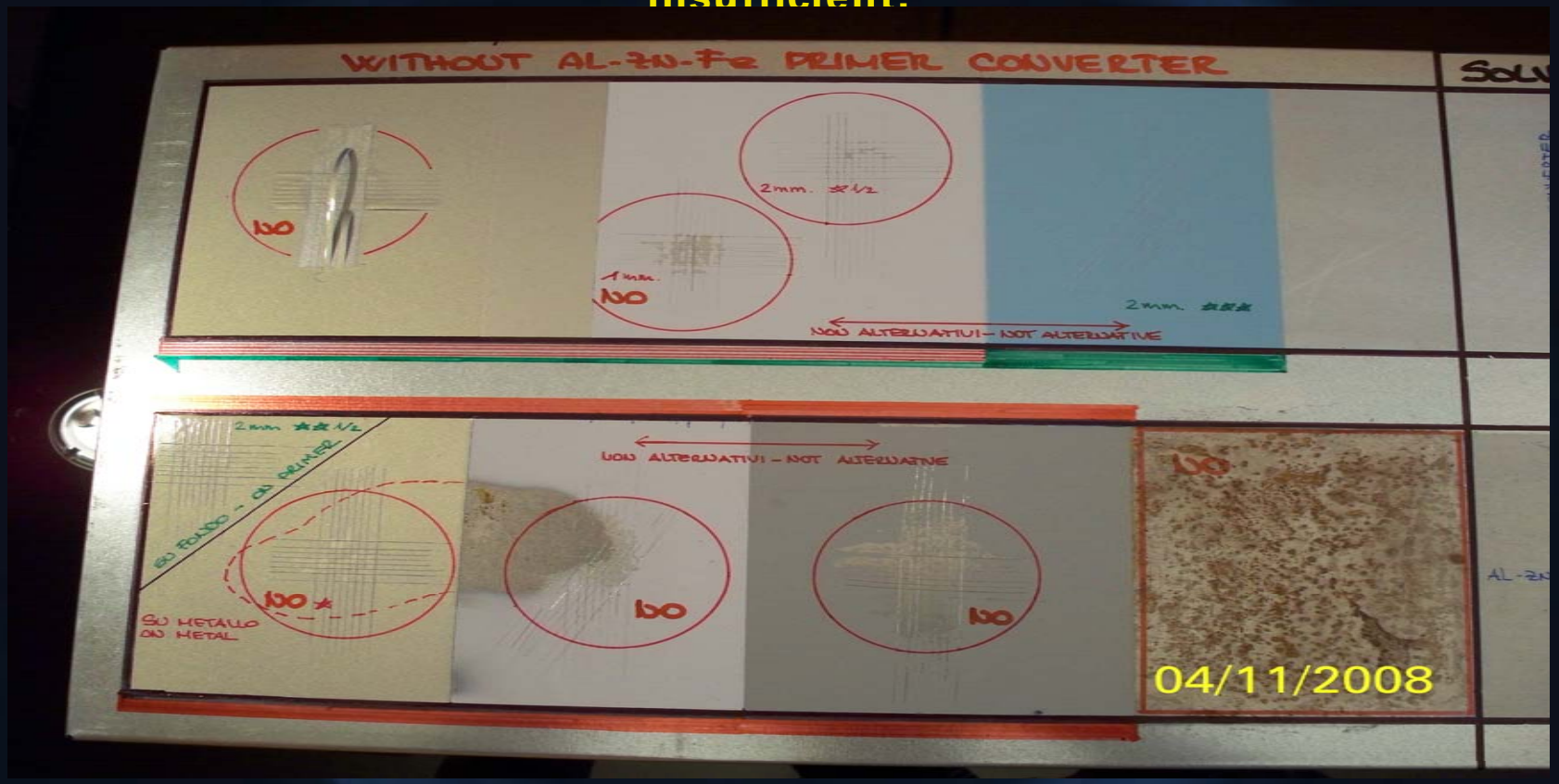
Adhesion examples using *TENAX*




TH AL-ZN-Fe PRIMER COAT.
BASE OPACA A SOLVENTE - S. BORN BASECOAT
2mm. ★★ 1/2
ALTERNATIVI - ALTE
VERTER
2mm. ★★ 1/2
04/11/2008

Normal Application without using TENAX:

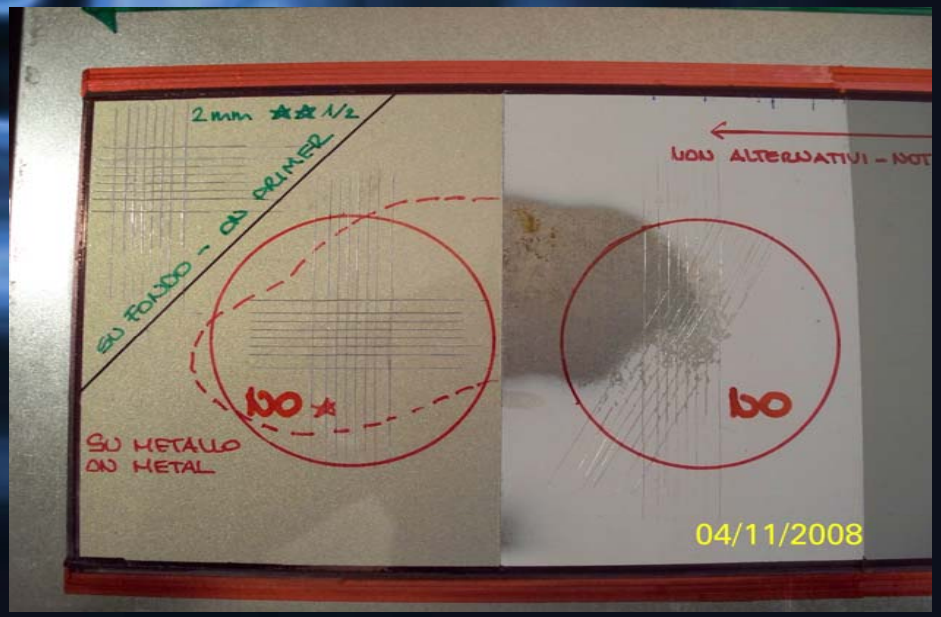
on sheet casing wet on wet or with filler, sanding or basecoat and clearcoat. Adhesion is only strong when wet on wet. Even on small repairs as seen on the bottom panel adhesion is insufficient.



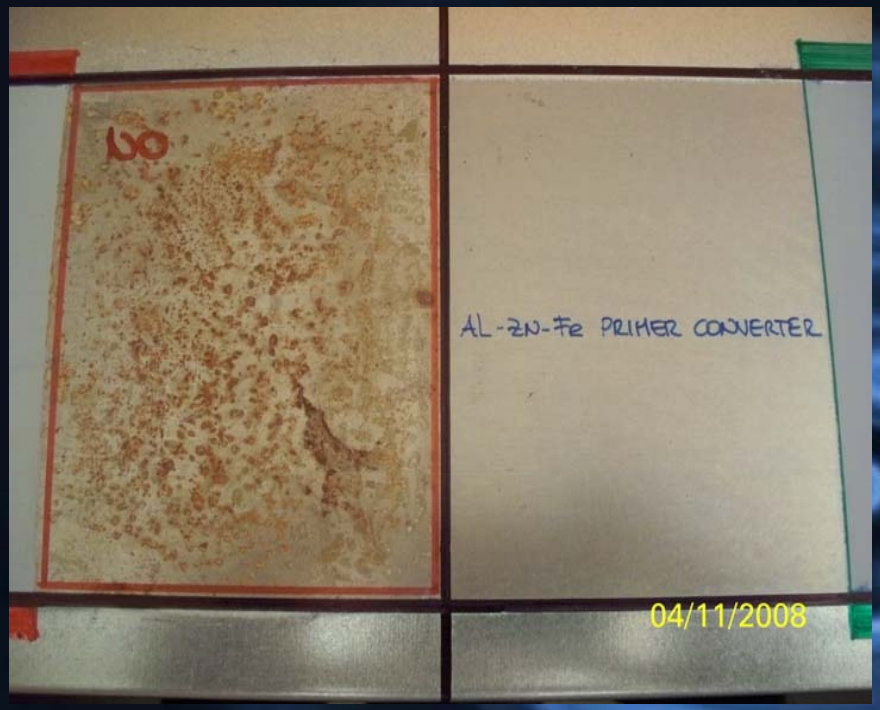

NON ALTERNATIVI - NOT ALTERNATIVE
NO
NO
NO
04/11/2008


2mm. ★1/2
1mm.
NO
04/11/2008


NO
04/11/2008

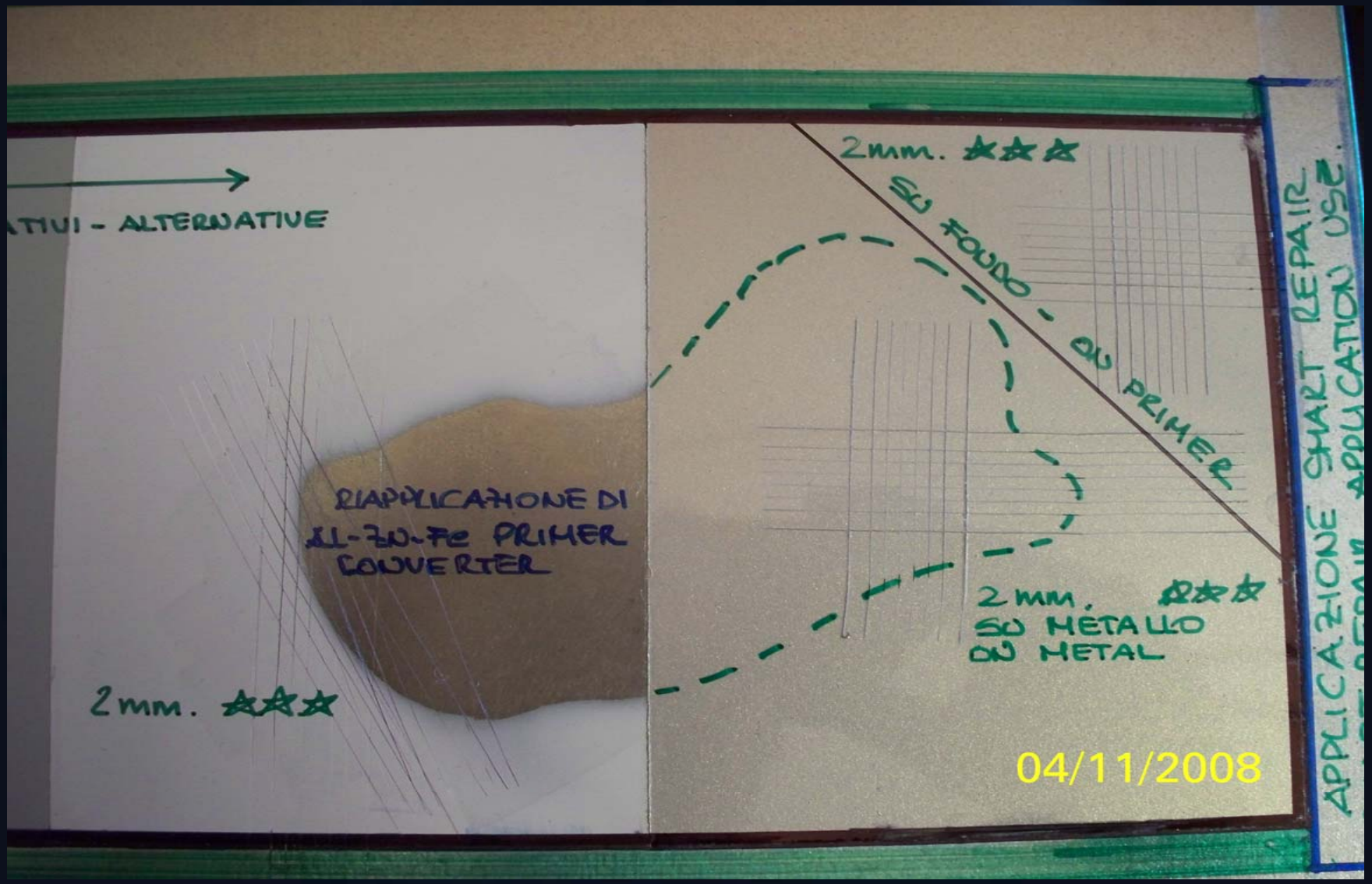

2mm ★★1/2
SU FONDO - ON PRIMER
NO ★
SU METALLO
ON METAL
NON ALTERNATIVI - NOT
NO
04/11/2008

The anticorrosion of TENAX has been tested and verified using exterior testing on first layer of car laminate:

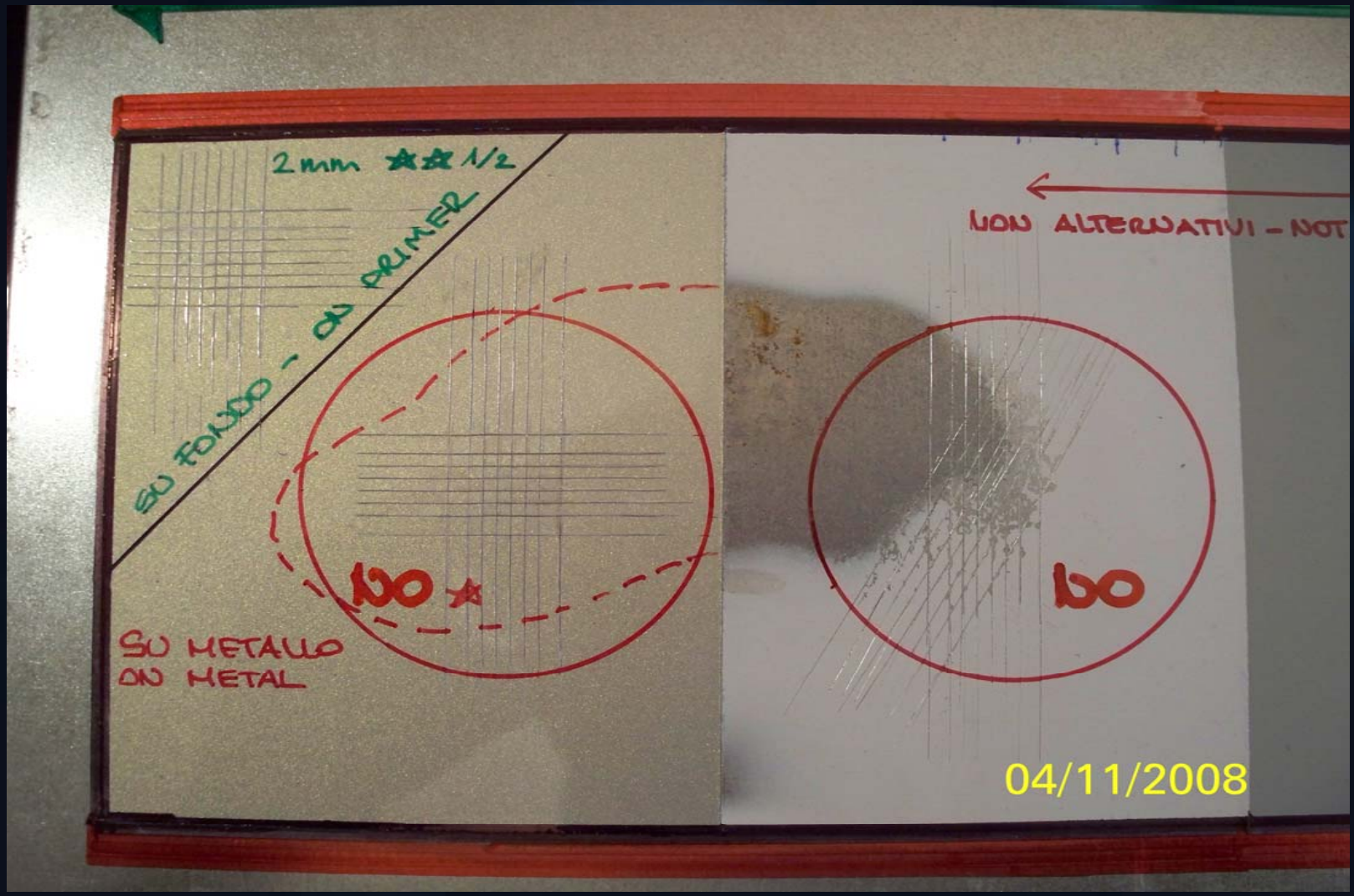


Above right: After 200hr testing using saline fog solution. Notice the difference the bottomhalf has been treated with TENAX

Application of TENAX on galvanized sheet casing: Adhesion Excellent



Example of galvanized sheet casing without using TENAX: Rust buildup and corrosion.



TENAX on Aluminium:


04/11/2008

Examples of adhesion to aluminium with and without using *TENAX*