

FAQ

Here we have listed the most frequently asked questions about the Tack Treatment

1. What does Tack Treat mean ?

This is a registered TRADE MAR and a patented Process.
This is a mechanical method to pretreat polymers, metallic, ceramic and other surfaces before bonding, coating and painting.

2. What is the advantage of Tack Treat ?

This mechanical process produces a uniform, stable and reproducible surface treatment through a machine.
It replaces the chemical Primer treatment before bonding, coating and painting. Also not polar Polymers can be treated for bonding, coating and painting with waterbased PU-Adhesive or other waterbased products.

3. What are the additional advantages of Tack Treat ?

The machine can be used by untrained staff , 1 person is enough.
It can run 24 hours a day, there are no solvents necessary. This is reducing the reports to the authorities.

4. How much it will cost ?

If the machine runs 8 hours a day the price is the same or cheaper than with usual solvent based primer.

5. How Tack Treat works ?

You put the clean substrate into the chamber or on the conveyor belt and after 2-4 minutes the treatment is finished.

6. What is the Theory of the treatment ?

Special UV light produces radicals on the surface. They react with the groups in the adhesive and form a chemical bonding. Preferred are OH or NCO group but also other groups are possible for the reaction.

7. Can also 3 D parts be treated ?

The UV light goes directly on the surface and also by 3 D reflection inside the treatment chamber. Additionally oxygen and other radicals from the air change modify together with the UV light the surface.

8. Is there any marking or yellowing visible ?

After the treatment the substrate is unchanged in colour or physically properties.

9. How long will the treatment last ?

This depends on the material. It can last from 1 day to over 30 days . You find more information under the test results.

10. What kind of material can be treated ?

Until now we have good results on
pe, pp, epdm, nbr, sbr, silicon rubber, eva, pylon, oily leather, pvc, pu solid, pu foam,
pe-fabric, nylon-fabric, Kevlar, pebax, polyamide, modified polymers with engage of
tafmer,ceramics and stainless steel.

11. In what kind of industries Tack Treat can be used ?

It can be used in all industries where are adhesion problems before bonding,
coating and painting.

12. Can you specify it more detailed ?

In industries like shoe, leather, rubber, elastomere, polymeric are used
mostly in

- shoes
- technical textiles
- rubber coated products
- rubber bonded products without buffing

examples are

- shoe sole bonding
- epdm coating on textiles
- epdm coating on textiles for houses
- hypalon profiles for automotive and technical application
- hypalon coating for inflatable products
- tpu and polyamide glass frames
- epdm profiles before flocking

13. I need a small machine for R & D ?

For R & D we have Tack Treat AS 3030 with a treatment area of 30 x 30 cm.

14. Can you make a machine according to my local conditions ?

In general the machine can be made with a length of 30-200 cm and width of 30-200 cm.

Other parameter on request.

It can be made with or without conveyor belt.

15. I need a treatment on both sides or on round hoses.

We can make a machine for treatment on 2 sides or round treatment.