

# TIGITAL® Series 515 | 518

515/00001 TIGER PRETREATMENT FLUID

518/00004 TIGER ADHESION PROMOTOR FOR POWDER COATINGS AND UV CURING INKS

518/00005 TIGER ADHESION PROMOTOR UV-CURING INKS

518/00011 TIGER ADHESION PROMOTER XL

## Shelf life

12 months when stored between 15 and 35°C

## Package sizes

- 1 l PE bottles (black)
- 5 l PE cubitainer (black)
- Other package sizes are available on request.

## Recommended cleaning agent

TIGER Flush 151/00001

## Applications

Both of the primers listed improve the adhesion to a number of different substrates.

- Glass & metal: In a first step, a highly-reactive SiOx layer is applied in the Pyrosil process through combustion of TIGER Pre-Treatment Fluid 515/00001. In a second pre-treatment step, the TIGER Adhesion Promotor is applied.
- Plastic surfaces: for a wide range of plastic surfaces, the sole application of TIGER Adhesion Promoter improves adhesion considerably. If application of TIGER Adhesion Promoter alone does not provide the desired improvement with regard to adhesion, the Pyrosil process can also be performed in a first step on plastic surfaces.

## Application

Both versions of TIGER Adhesion Promotor can be applied by spraying or printing, provided that appropriate mechanical DOD printing heads are used. For smaller work pieces, it is also possible to use a lint-free cloth to apply the product. Before printing on pre-treated substrates, remove the isopropanol contained therein. You can do this by either air-drying at room temperature or using infrared radiation or convection with heated air. The necessary drying cycle is based on the drying conditions selected.

## Compatibility of materials

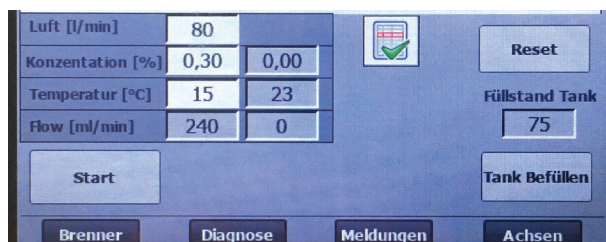
### Compatible materials:

- PP
- PE (HD + LD)
- Stainless steel
- PTFE
- EPDM rubber
- 

### Incompatible materials:

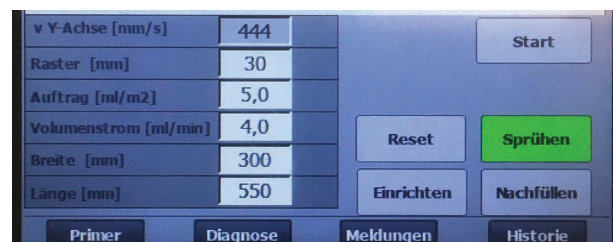
- PVC
- Butyl rubber
- Brass
- Viton®
- Nitrile plastics

## Basic settings: Pyrosil and Primer stations



### Flames-Pyrosil

Concentration: 0.30 %/m<sup>2</sup>  
Air: 80 l/min  
Axis: 180 mm/s  
Grid: 50 mm



### TIGITAL Promotor XI 518/00011

Application: 5.0 ml/m<sup>2</sup>  
Flow: 4.0 ml/min  
Axis: 444 mm/s  
Grid: 50 mm

## Disclaimer

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EN ISO 9001 / 14001



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