

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

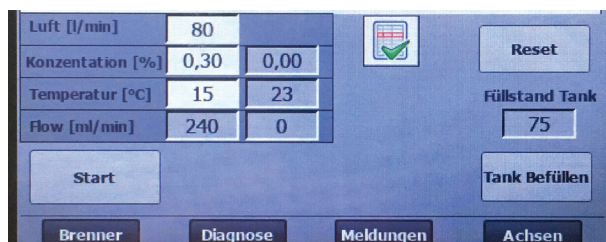
Compatible materials:

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

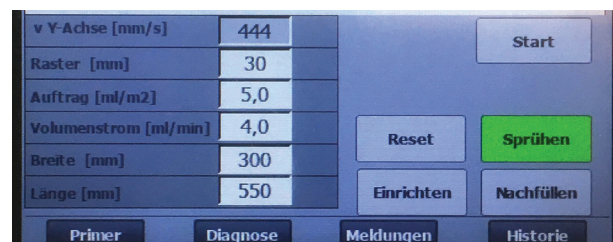
- PVC
- Butyl rubber
- Brass
- Viton®
- Nitrile plastics

Basic settings: Pyrosil and Primer stations



Flames-Pyrosil

Concentration: 0.30 %/m²
Air: 80 l/min
Axis: 180 mm/s
Grid: 50 mm



TIGITAL Promotor XI 518/00011

Application: 5.0 ml/m²
Flow: 4.0 ml/min
Axis: 444 mm/s
Grid: 50 mm

Disclaimer

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certified according to
EN ISO 9001 / 14001



TIGER Coatings GmbH & Co. KG

Negrellistrasse 36 | 4600 Wels | Austria

T +43 / (0)7242 / 400-0

F +43 / (0)7242 / 650 08

E powdercoatings@tiger-coatings.com

W www.tiger-coatings.com

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