Technical Data Sheet **Manufacturer handbook data**

Revision 01 | 02 November 2026 | English

Water-Based HTPU Ink

Water-based inks

FIELD OF APPLICATION

For footwear and related printing applications described in the handbook.

CHARACTERISTICS

The source describes coverage, gloss, adhesion and flexibility.

MATERIAL AND PROCESS

Process route: Screen printing

Material references: TPU, Textile

SELECTION NOTE

Confirm the exact supplied grade, substrate finish and complete system before a production trial. This document translates handbook information; it does not certify performance on every material.

REPORTED PRODUCT DATA

Property	Handbook information
Pack size	5 kg / 20 kg pail
Stated shelf life	6 months
Viscosity	20,000-25,000; unit, method and temperature not stated
Flex test	More than 100,000 cycles; method not stated
Pull test	5 kg or above; method not stated
Yellowing test	4 or above (grade; standard not stated)
Hydrolysis	Reported as acceptable; method not stated
Gloss	High (qualitative)

Reported values retain source limitations. Test methods, sample preparation and conditions must be confirmed before using a result as a production acceptance criterion.

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TYPE OF PACKING

5 kg / 20 kg pail.

SHELF LIFE AND STORAGE

Stated shelf life: 6 months.

Confirm storage temperature, container conditions and batch dating with the supplier. Shelf life is not the working time after components have been mixed.

APPLICATION REVIEW

Provide the material, intended operation, existing surface treatment and required result when requesting technical advice.

Obtain the current grade-specific instructions for compatible additives, application settings, drying and final conditioning. Carry out a trial on the actual construction before a commercial run.

COLOUR AND FINISH

Where relevant, provide the target colour and finish together with a substrate sample. This sheet does not assign colour codes or availability that are absent from the source.

PRECAUTIONS

1. Use the current exact-grade SDS for handling, storage, transport and disposal. This TDS does not replace the SDS.

2. Follow the SDS and site procedures for protective equipment, ventilation, spills and waste.

3. Confirm product and material compatibility. Do not treat a method-only entry or an unspecified unit as an approved result.

4. Regulatory or restricted-substance conformity requires the relevant report and scope. General handbook wording is not an independent certification.

GRADE CONFIRMATION

The source contains incomplete measurement information or a grade / route detail that requires confirmation. Refer to the qualifiers on page 1 when discussing this product.

TECHNICAL CONTACT

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Contact the technical team

DOCUMENT BASIS

English product information based on the supplied Yunrui manufacturer technical handbook. Technical review copy; unresolved source details have not been invented.

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