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Page No.:	1 to 5
Version No.	02

Technical Data Sheet:

Product Identification:

TRU TAB NAIL & TAPE SERIES

Description: **TRU TAB NAIL & TAPE** Inks are optimally pigmented printing ink – directed at printing HDPE/PP Woven Sacks. Customized to give best printing results at Optimal press speeds.

End Use: **TRU TAB NAIL & TAPE** Inks are designed especially for printing of woven sack bags, for Cement and Fertilizer and other similar bulk packing requirements. In case of Cement Packaging as well as fertilizer packing it is important to notify the same to Tirupati – since the pigments employed need to be in line with these applications.

Printing Machines: **TRU TAB NAIL & TAPE** Inks is tailored to run effortlessly on Flexo machines. We recommend use of very slow retarder when these inks are used on a very slow hand fed printing machines – alternatively a separate ink system is also available with TIL for such slow operations.

Printing Substrates:

- ✓ HDPE/PP Woven Sacks

Special Features:

- ✓ Optimal strength inks
- ✓ Good nail and scratch resistance.
- ✓ Excellent adhesion
- ✓ Excellent Gloss
- ✓ Good scuff resistance & slip properties: Could be further enhanced by Employing TIL Slip & Scuff Additive
- ✓ Designed to exhibit a low coefficient of friction

Colour Range:

A full range of colors is available, which may only occasionally be restricted by end user requirements. The pigments used have reasonable commercial fastness to light but they may not withstand prolonged exposure to direct sunlight. If this property is required, it should be requested while placing orders.

Process Colour Range:

Product Codes	Product Description	L.F. (1-8 Scale)
WSK3302-00	TRUTAB NAIL & TAPE BLACK	7
WSY-3303-00	TRUTAB NAIL & TAPE YELLOW	5-6
WSC 3304 00	TRUTAB NAIL & TAPE BLUE	7
WSM-3305-00	TRUTAB NAIL & TAPE MAGENTA	5-6

Extender Medium:

Product Codes	Product Description	L.F. (1-8 Scale)
WSE-3300-00	TRUTAB NAIL & TAPE MEDIUM	N. A.

Standard Range:

Product Codes	Product Description	L.F. (1-8 Scale)
WSC 3304 01	TRUTAB NAIL & TAPE BLUE ROYAL	3
WSC 3304 03	TRUTAB NAIL & TAPE BLUE REFLEX	3
WSR-3306-00	TRUTAB NAIL & TAPE RED	3
WSR-3306-02	TRUTAB NAIL & TAPE RED DEEP	5-6
WSR-3306-03	TRUTAB NAIL & TAPE RED BLOOD	3
WSO-3307-00	TRUTAB NAIL & TAPE ORANGE	5-6
WSG-3308-00	TRUTAB NAIL & TAPE GREEN	7
WSV-3309-00	TRUTAB NAIL & TAPE VIOLET	3

Printing and Processing:

Viscosity adjustment should be started only after the ink is well mixed and the ink is at room temperature. Viscosity is adjusted by adding solvents slowly in small quantities. See under "Dilution".

The Actual viscosity used will depend on a number of factors, including print design, press conditions, the machine running speed and the desired colour characteristics.

Dilution:

Solvent and solvent blends used for dilution may need to be adjusted in accordance to printing conditions:

Depending on printing conditions, the following solvents may be used as retarder or accelerator.

Accelerator:- IPA

Medium:- Toluene

Retarder:- NBA

Reducing Systems

We recommend as a basic ratio:

Standard:

IPA	80
NBA	10
Toluene	10

**It is always better to mix the solvents before adding to the ink.*

Shelf Life:

The inks and varnishes of this series have under normal conditions a shelf life of at least 6 months.

Normal conditions means:

- Storage in tightly closed containers
- No admixtures
- Temperature not exceeding 25°C for weeks or 30°C for days.

Short time excess-temperatures e.g. at transport are not harmful. The products are not sensitive to frost.

“Over-stored“inks (typical symptoms: fall in gloss, shift in shade, formation of odour and / or viscosity increase) may normally – *off colour being exceptions* - be used the same way as residual inks by controlled admixture to fresh inks

Increased viscosity due to long-time storage of inks may generally be adjusted by addition of a slightly higher amount of thinner than the usual.

Please take notice of the following:

1. *The performance results indicated in this literature are only indicative under controlled conditions of laboratory with virgin & standard packaging grade films. Please do not use lower grades or substandard films. Tirupati Ink Ltd., will not take any responsibility for abnormal results*

2. *Liability: While the information outlined is given in good faith, it does not constitute a guarantee and neither is one implied as to the specific end use suitability of any product. The customers should always evaluate the suitability of products to their own satisfaction*

2.1. *Tirupati Inks is responsible only to the tune of replacing the ink consumed in case of any printing related problems clearly assigned to in-compatibility with the ink system recommended by Tirupati Inks for the print job under consideration.*

If you require any further information please do not hesitate to contact us or visit our website.



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