



INDOFIL INDUSTRIES LIMITED
Kalpataru Square, 4th Floor
Kondivita Road, Off Andheri Kurla Road
Andheri (E), Mumbai- 400 059, India
Tel : 022-66637373 Fax – 022-28322276
E-mail : vnair-icc@modi.com



TECHNICAL DATA SHEET

INDOFIL HA 24 ECO

(GOTS APPROVED ACRYLIC BINDER for WATER BASE PIGMENT PRINTING)

INDOFIL HA 24 ECO is an Acrylic Homo - polymer emulsion with soft, durable film properties. It has excellent thermal & mechanical properties which gives superior running properties.

INDOFIL HA 24 ECO is easily miscible with cold water. It is mainly used for water based pigment printing of cotton, viscose material and gives soft and durable film properties. The print obtained using **INDOFIL HA 24 ECO** possesses very good all round fastness and excellent depth colour value. **INDOFIL HA 24 ECO** is also recommended for flock printing , soft coating having minimum tacky ness .

TYPICAL PROPERTIES :

- Appearance : Slightly off white emulsion
- pH (As Such) : 6 - 8
- Solid content @ 120°C/30 min. : 44 - 46
- Viscosity @ 25°C(2/60) : Max.200 cps
-

CATALYST :

Since INDOFIL HA 24 ECO is a self cross linking acrylic emulsion, catalyst is not necessary to achieve film durability where curing conditions are optimum (3 minutes at 150 Deg.C) But where curing conditions are less than optimum an acid or latent acid catalyst is recommended. The use of catalysts like Di-ammonium phosphate is recommended.

APPLICATION :

1. PIGMENT PRINTING :- To make 100 parts

With Water base System:

INDOFIL HA 24 ECO	: 12 to 15 parts
INDOFIL KST	: 1.8 to 2.0 parts

Disclaimer:

The suggestion and data in this bulletin based on information we believe to be reliable. It is offered in good faith, but WITHOUT GUARANTEE, as the conditions and methods of the use of our products are beyond our control. We ALWAYS recommend that the prospective user should determine the suitability of our products and suggestions on an experimental basis first, Before adapting on a commercial scale.

WATER	: 80 to 82 parts
CATALYST (DAP)	: 00.200 parts
LIQ.AMMONIA	: To get pH 8.0 to 9.0
INDOFIL FIXER PF/LF	: 02 to 03 parts

INDOFIL FIXER PF/LF is added just before printing. Binder dosages will be depending on the % shade of pigment.

Note : The neutralization should be done only after the addition of catalyst. Little excess of Liquor Ammonia would not in any way harm the print paste. Print paste should be filtered well before it is taken for printing.

2. **COATING /TECHNICAL TEXTILE**

Coating with INDOFIL HA 24 ECO produces soft and non tacky handle . With varying concentration and combinations with other ingredients, it can be applied to several end uses like automotive , packaging , home furnishing , special apparel effects etc .

STORAGE

Please store in cool dry place away from sunlight .When stored under standard storage conditions product will remain stable for 12 months .

SHELF LIFE

If stored in the recommended condition , product has a shelf life of one year from the date of manufacturing .

IIL/SPCD/Textile / Nov 2011/Rev. 0

Disclaimer:

The suggestion and data in this bulletin based on information we believe to be reliable. It is offered in good faith, but WITHOUT GUARANTEE, as the conditions and methods of the use of our products are beyond our control. We ALWAYS recommend that the prospective user should determine the suitability of our products and suggestions on an experimental basis first, Before adapting on a commercial scale.