

## ***Bonding Solutions***



**SURFACTANT INDUSTRIES**  
Specialist in Wood Adhesives & Emulsion Polymers



# COMPANY PROFILE

Welcome to SURFACTANT INDUSTRIES





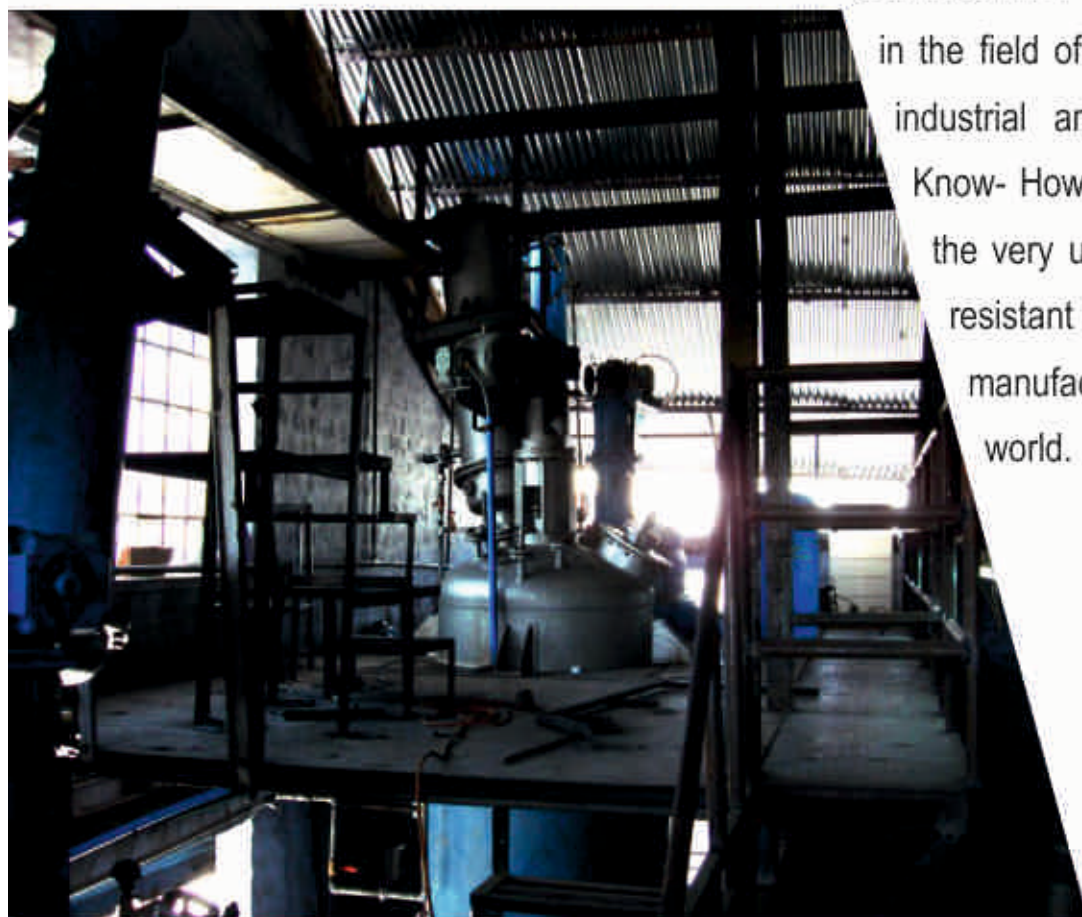
# Company *Profile*

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Surfactant Industries, is a part of Lohiya Group of Industries, which was founded in 1950. We first entered into Ultramarine and Detergents Business at that time. Since then, we have been working towards continuous development and expertise in the field of Cleaners, Detergents, Adhesives, and Ultramarine Blue Pigments and a range of other specialty Household and Industrial products. Our products are manufactured in India with 'German Know-How'.

In 1990's, SURFACTANT INDUSTRIES was setup as a specialty manufacturing unit catering to high end applications and specialized products. Our product range includes: Wood Glues like Water Resistant Wood Glue meeting European EN 204/205 D3 Standards, D2 Wood Glues, Paper Adhesives, Lamination Adhesives, Pressure Sensitive Adhesives, Glass Cleaners, Metal treatment chemicals etc.

SURFACTANT INDUSTRIES, today commands leadership in the field of Manufacturing of Wood Adhesives for both industrial and household applications. With German Know- How, we were the pioneers in INDIA to develop the very unique D3 Wood Adhesive –Stärke, a water resistant wood glue, which at that moment was manufactured by only a select companies in the world.





# ***OUR EXPERTS***





## Our *Visiting Scientists*

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***Dr. Friederike  
Stollmaier***

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A very highly experienced professional in the development & production of Adhesives. Ph.D from the University of Ulm, she has worked for over two decades with world's leading chemical company, Dow Chemicals.



***Mr. Peter. J. Bakker***

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Formerly Associated with AkzoNobel, Netherlands. Has more than 20 Years of Experience in the Development & Marketing of Polyester resins, Acrylic resins, Urethane Resins, Wood Adhesives and Wood Coatings etc.



***Dr. Wolfgang Althoff***

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Formerly Associated with Procter & Gamble, Werner & Mertz GmbH. Has More Than 30 years of Experience in the Field of Detergents, Cleaners and Wax Polishes.



***Dr. Laszlo Vegh***

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Formerly Associated with Harvard University as a Research Assistant. Has Held Various Posts in Dow Chemicals, Horgen Switzerland.



## Our **R&D Setup**

Our R & D team is continuously working in incorporating latest innovations into our present as well as newer products. Due to this inherent urge to achieve excellence, we have developed Stärke which is poly(vinyl acetate) (PVAc) based single component D3 standard wood glue. This is one of the first products that is produced in INDIA and is backed by German Technologist Dr. Herbert Eck who has more than 40 years of field experience in the Adhesive Industry.





# OUR PRODUCTS

## PACKAGING





# ***Our Product*** Range

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## ***For Wood Working:***

- 1 Stärke- D3 Wood Adhesive
- 2 Artcol- Wood Adhesive
- 3 RICHCOL- Multi Purpose Wood Adhesive
- 4 PV7050 - PVC SKIN ADHESIVE
- 5 Specialty Adhesives for Post Forming, Cold Press, Hot Press, Finger Jointing, HDF Door Skin Adhesive

- Paper Bag Adhesives
- Textile Binder / Emulsions
- Coal Binder



# Why use Stärke ?

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INDIA'S  
PREMIUM  
D3 WOOD  
ADHESIVE



**KAISA BHI HO**  
**WOOD CHIPKE**  
**SAB KUCH**



# Why use Stärke ?

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*Stärke is a revolutionary water resistant wood adhesive with excellent bonding strength.*

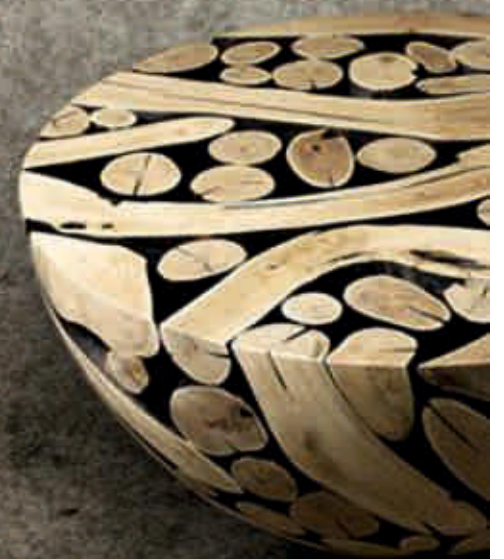
*Stärke has been made as per European D3 Standards. It is highly recommended for bonding Wood, Laminates, Plywood, Veneer, Block board, Hardboard, MDF etc.*

*The water resistance of the product is much superior to conventional wood adhesives.*



INDIA'S  
PREMIUM  
WOOD  
ADHESIVE

**EXCELLENT  
BONDING  
STRENGTH**





# ***Why use ARTCOL ?***

## **Premium Water Based Adhesive**

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ARTCOL is a revolutionary wood adhesive made with German know-how which has excellent bonding strength.

ARTCOL is highly recommended for bonding Wood, Laminates, Plywood, Veneer, Block-board, Hardboard, MDF etc.

The joints made with ARTCOL are extremely strong and are every carpenter's delight.

INDIA'S  
PREMIUM  
WOOD  
ADHESIVE

**ESSENTIAL FOR  
CARPENTERS**





# ***RICHCOL : SERIES OF ADHESIVES***

## **Premium Wood Glue**

INDIA'S  
PREMIUM  
WOOD  
ADHESIVE



### **RichcolBlue -**

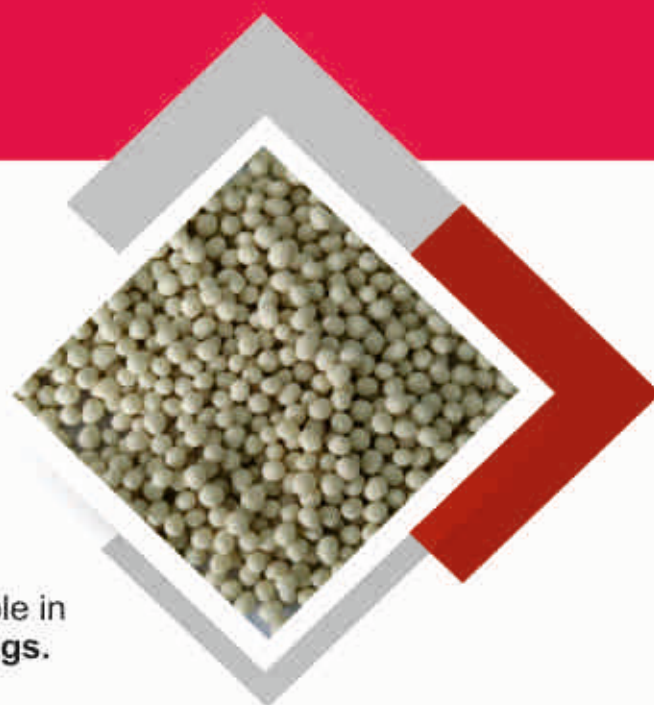
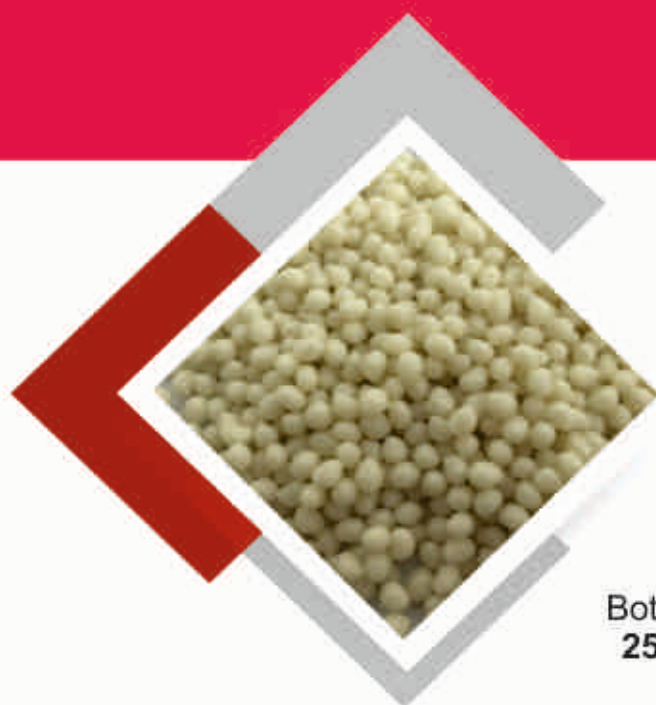
For bonding of wood, laminates, plywood, veneer, block-board, hardboard, MDF etc. Also recommended for places where at least one of the substrates is porous such as paper, paper board and similar applications.

**RichcolRed -** Very economical grade specially designed for filling knots by mixing saw-dust in wood and timber. Also used for paper and other related substrates bonding.

**RichcolGreen -** Very Economical Wood Glue in Pouch packaging especially for wood filling in handicrafts or potting. Also suitable for Paper Converters like Carton makers, paper bag makers, paper box makers etc.

**RichcolLDB -** Recommended for Limewash and Dry Distemper applications. It is also being used as a White- Wash agent. It gives smooth finish to the lime wash & is easy to use.

# *Stärke -Melt* ADHESIVES



Both are available in  
**25kg paper bags.**

Keeping up with the upcoming demand of our valuable customers, Surfactant Industries has introduced two grades of **Hotmelt Adhesives Stärke-Melt** : **SI-7090M** and **SI-5050A**. These Hotmelt Adhesives are specially formulated for various types of Edgebanding materials and edgebanders used by makers of kitchen and bathroom cabinets, residential & office furniture, store fixtures and others.

**SI-7090M** is an edgebanding hotmelt adhesive designed for use on manual edge banding application. It has a low application temperature between 130-150°C.

**SI-5050A** is an edgebanding hotmelt adhesive designed for automatic machines. The application temperature is 190-210°C.



# OUR EXHIBITIONS & ARTICLES





# OUR EXHIBITIONS & ARTICLES





Our product appreciated & covered by International reputed Magazines.

# What leading Magazines say about Stärke

Starke Featured in **WOODNEWS** Magazine



## Indian glue with global affirmation

Starke, India's one of the first indigenous D3 wood glue from Surfactant Industries has been widely appreciated by furniture manufacturers throughout the country. The product has greatly bridged the wide gap of quality and price between Indian and international wood glue products especially the ones imported from Germany.

Engineers of IIT and University of Manchester, at Surfactant Industries, Indapur, took it as a challenge to develop a completely indigenous D3 water resistant wood glue. With years of hard work, today it is receiving tremendous response from customers all over India and abroad.

Surfactant Industries is into manufacturing of specialist water-based wood adhesives, paper adhesives and emulsion polymers. The Indian furniture and modular industry was facing a unique problem of poor water resistance of conventional white glues, which led to weak joints when they came in contact with moisture/water. Seeing this, Surfactant Industries launched a new generation water resistant wood adhesive 'Starke', a one component D3 wood glue, which exhibits excellent water resistance in comparison to conventional wood glues.



In order that the industry adopts this product quickly, it has been specially priced - equivalent to affordable non-water resistant glues. Another big advantage is that the product is extremely fast setting. The joints are cured in less than 3-4 hours (as compared to 12-14 hours required for normal glues). So, ultimately it leads to higher production, thereby saving cost and time.

### Expert Pool

The company has a pool of adhesive experts specially from IIT Kanpur, University of Manchester, UK, etc. and have strong technical supports from adhesive experts of Germany, The Netherlands and Switzerland. Starke has been developed in close association with Dr. Herbert Eck of Germany, an author of more than 100 adhesive related patents.

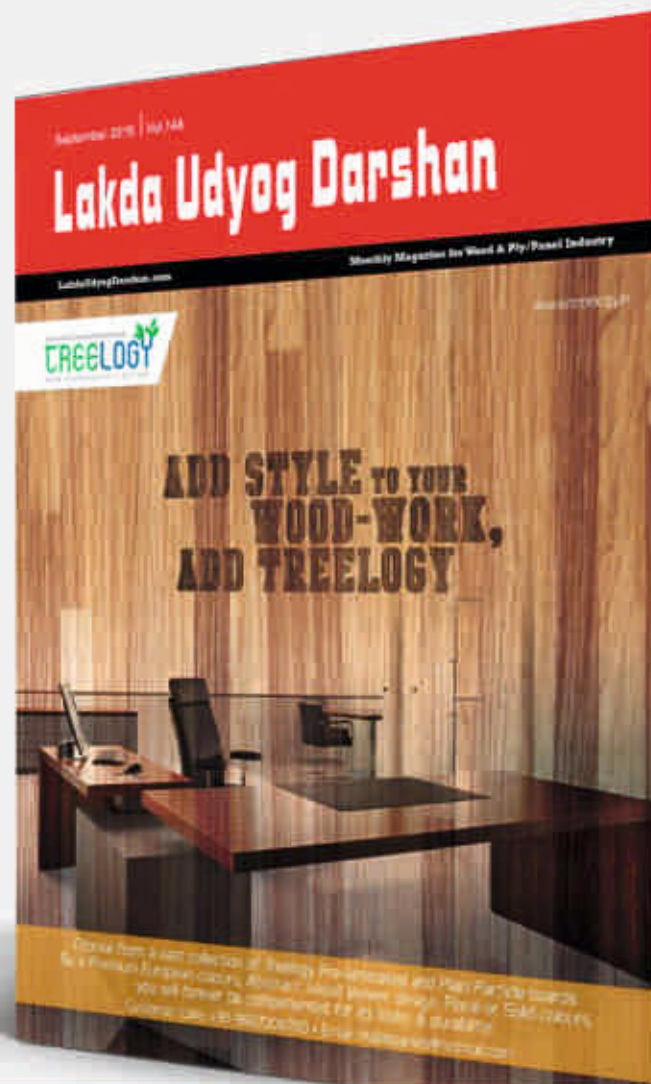
Due to this highly competent team, Starke has been made using a new breakthrough technology called controlled intelligent film phase crosslinking (CIPFC). Using CIPFC, the crosslinkers present will have a maximum reactivity in the emulsion state and as soon as it is applied on

the substrate, the reaction proceeds leading to improvements like better shelf life, higher water resistance, excellent fast setting characteristics, and higher coverage.

The state-of-the-art inhouse laboratory does thorough testing of all raw materials and every product. The glue has also been tested at Europe's leading wood laboratory SRIH of the Netherlands and Starke was found to comply with EN 204/205 D3 Standards. The entire manufacturing process was systematised so that regularly consistent and uniform quality is produced. For ensuring uniform product output, best international manufacturing and testing practices were developed and for third party check/audit ISO 9001:2008 certification was taken.

Starke is being used in the industry for many applications including cold pressing, finger jointing, post turning, hot presses, modular furniture, roller presses, sports flooring, sports goods manufacturing, handicrafts, electric board, perfumes, writing boards, laminate pressing etc.  
[www.surfactantindustries.in](http://www.surfactantindustries.in)

# Article published on Stärke in LAKDA UDYOG DARSHAN Magazine SRILANKA Wood International Expo 2016



Events  
Stärke 'D3'

**Stärke**

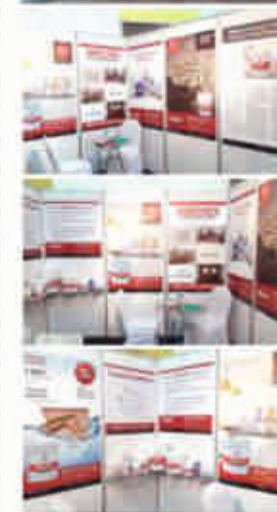
## 'Starke' D3 Wood Adhesive from Surfactant Industries @ Sri Lanka Wood International Expo 2016

Surfactant Industries launched its premium Wood Adhesive "Starke" in the Sri Lankan Market at the recently held Exhibition : 4th Sri Lanka Wood International Expo. The Exhibition was held at BMICH, Colombo, Sri Lanka from September 9 to September 11, 2016. The Show saw a varied list of Exhibitors numbering around 100.

Starke, an Indian Wood Adhesive which is among the first in India to comply with the European EN 204/205 D3 Standards, received excellent response from the Sri

Lankan Furniture Manufacturers. They approved the product instantly and now they wish to use the same on a regular basis.

Starke, which has excellent Water Resistance in comparison to Conventional White Wood adhesives, is already very popular in the Indian OEM Market among Furniture and Modular Kitchen Manufacturers and Exporters. The product has been developed in close association with Dr. Herbert Eck of Germany who is an author of more than 100 adhesive-related patents.



prices. For any further information, you may email on [lahiyin@gmail.com](mailto:lahiyin@gmail.com) or visit their site [www.woodadhesives.in](http://www.woodadhesives.in)



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