

# Modern Technology of Paints, Varnishes & Lacquers (2nd Edition)

**Author:** NIIR Board

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Surface coating industry is one of the most popular industries. Paints, varnishes and lacquers industry is gaining ground at a rapid pace in modern time accompanied with closed advance in surface coating technology. They are formulated for specific purposes: outside house paints and exterior varnishes are intended to give good service when exposed to weathering; interior wall paints are formulated to give excellent coverage and good wash ability; and lacquers are formulated for rapid drying. Varnish is one of the important parts of surface coating industry. Varnish is a transparent, hard, protective finish or film primarily used in wood finishing but also for other materials. They are used to change the surface gloss, making the surface more matte or higher gloss, or to provide the various areas of a painting with a more unified finish. Varnishes are also applied over wood stains as a final step to achieve a film for gloss and protection. Some products are marketed as a combined stain and varnish. Paint is any liquid, liquefiable, or mastic composition which after application to a substrate in a thin layer is converted to an opaque solid film. It is most commonly used to protect, colour or provide texture to objects. The paint industry volume in India has been growing at 15% per annum for quite some years now. As far as the future growth prospects are concerned, the industry is expected to grow at 12 to 13% annually over the next five years. The technology is required to produce different type of new paints and varnishes based on different type of uses. The paint and coatings industry plays an integral role in sustainability; coatings protect the objects we depend on every day, preserve our possessions, so they last longer and provide for a sustainable future. They are indispensable products that extend the useful life of everyday objects by acting as a protective barrier. These newer products have enabled paint manufacturers to improve the performance properties of their paints and coatings and so satisfy the more stringent requirements of our modern industrial society. The future for industrial paints, varnishes and lacquers is bright. In the next few years its value will go up gradually in line with the global trend.

The major contents of the book are application of paints, fundamentals of paint, varnishes and lacquers, manufacturing of different type of paints, paint formulation, pigment dispersion, emulsion paints, and so on. The book deals with fundamentals of paints, Varnishes and lacquers, pigments, Oils used in paints and varnishes, solvents, dryers, plasticizers, additives for surface coating, various types of paint manufacturing etc. The book is very useful for new entrepreneurs, existing units, technocrats, technical institutions and for those who wants to diversify in the field of paints manufacturing.

## Contents

1. Application of Paints  
Paint System Specification

Preparation of Paints  
Establishment of the paint Manufacture Unit  
Pigment  
White Pigments  
Black Pigments  
Red Pigment  
Green Pigment  
Blue Pigment  
Synthetic Ultramarine Blue  
Yellow Pigment  
Drying Oils & Driers  
Drying Oils  
Linsed Oil  
Castro Oil & Dehydrated Castro Oil  
Dehydrated Castro Oil (DCO)  
Tung Oil  
Soyabean Oil  
Cashew Nut Shell Liquid (CNSL)  
Other Less Important Oils  
Refining of Drying Oils  
Driers  
2. Fundamentals of Paint, Varnishes & Lacquers  
Paint  
Varnishes  
Lacquers  
Solvents  
White Pigments  
Red Pigments  
Yellow and Brown Earth Colours  
Orange and Yellow Pigments  
Green Pigments  
Blue Pigments  
Black Pigments  
Extenders  
Oils Used In Paints  
Resins Used In Paints, Varnishes And Lacquers  
Solvents Used In Paints, Varnishes and Lacquers  
Additives Used In Paints, Varnishes and Lacquers  
3. Oils Used In Paints and Varnishes  
Drying Oils  
Conjugated Oils  
Semi Drying Oils  
Non-Drying Oils  
Derivatives of Drying Oils  
Refining of Oils  
4. Solvents  
Hydrocarbons  
Ketones  
Esters  
Glycol Ethers  
Alcohols  
Terpenes  
5. Plasticizers

General Properties of Plasticizers

6. Additives in surface Coatings

7. Formulary with Processes of Distempers,

Whitewash, Putties & Emulsion

White Distemper

Sky Blue Distemper

Yellow Distemper

White Wash

Putties

Non-Freezing Putty

Modified Putty

Emulsion Paints

8. Formulations

Enamels

Luminous Paints

Paint for Structural Steel

Asbestos Paints

Mica Lustre Paint

Aluminum Priming for Wood

Water Emulsion Paints for Exterior Use

Varnishes

Lacques

9. Lacquers

Cellulose Products

Ethyl Cellulose

Lacquer Manufacture

Mertis of Cellulose Lacquers

Aeroplane Lacquer

Book Lacquer

Varnishes

Different kinds of Varnishes

Oil Varnish

Turpentine Varnish

Spirit Varnish

Water Varnish

Oil Varnishes

Preparation of Oil Varnishes

Gum Running

Addition of Drying Oils

Thinning

Maturing

Different kinds of Oil Varnishes

Exterior Varnish

Interior Decorators Varnish

Rubbing Varnish

Polishing Varnish

Flat Varnish

Gold Size

Black Varnish

Formulase of Oil Varnishes

Spirit Varnish or Lacquer

Resins

Solvents

Plasticizers  
Alcohol Varnish  
Turpentine Varnishes  
Formulas for Preparing Spirit Varnishes  
French Varnish  
Varnish Prepared from Synthetic Resins  
Spar Varnish  
Process  
10. Paint Manufacturing Different Types of Paints and Various Formulations  
Premixing  
Grinding Operation  
Tinting Operation  
Oil Based Paints  
Modern Gloss Finishes  
Heat Resisting Paints  
Flame Retardant Paints  
Plastic Paints  
Floor Paints  
Flat Paints  
Aluminium Paint  
Wrinkle Finishes  
Hammer Finishes  
Marine Coatings  
Introduction  
Ship Paints  
Hull Paints  
Top Sides Finish  
Boot Topping Paints  
Antifouling Paints  
Anti-Corrosive Paints  
Road Marking Paints  
Chemical Resistant Coatings  
Synthetic Enamel Paints  
Bituminous Coatings  
High Solids Finishes  
Curing Agent :  
Graphite and Graphite Paints  
11. Primers  
Primer for Metals  
Types of Primers  
Blast Primers  
Metallic Zinc Primers  
Red Oxide/Zinc Chrome Primers  
Lead Based Primer  
Wash Primer  
Primers for wood  
Leadless Primers :  
Aluminium Primer  
Emulsion Primers  
Wall Primers & Sealers  
12. Major Defects Which Occurs in Paints, Varnishes and Lacquers 125-129  
Alligatoring

Bleeding  
Blistering  
Blooming  
Blushing  
Brush Drag  
Brush Marking  
Chalking  
Checking  
Cissing  
Cracking  
Efflorescence  
Fading  
Floating  
Flooding  
Gas Checking  
Loss of Gloss  
Lifting  
Leaching  
Orange Peel  
Pinholing  
Sagging  
13. Powder Coatings  
Thermoplastic Coatings  
PVC Coatings  
Thermosetting Coating Powders  
Epoxy Powder Coatings  
Formulation of Powder Coatings  
Fluidized bed Coating  
Electrosatic Fludized Bed Coatings  
Electrostatic Spray Coating  
14. Drying Oils : Their Origin, Manufacture and Properties  
General History  
Types of Drying Oils  
Manufacturing and Refining Methods  
Solvent Extraction  
The composition of Drying Oils  
Future Developments  
15. Pigments-General Classification and Description  
Definition of Paint  
Purposes of Pigments in Paint  
Hiding Power of Paint  
Extender Pigments  
Pigment Manufacturing  
16. White Hiding Pigment  
17. Organic Toners and Mineral Pigments  
Color Blending  
Metallic Pigments  
Blacks  
Earth Colors  
Inorganic Blues  
Organic Blues  
Browns  
Greens

Organic Greens  
Marron Pigment  
Oranges  
Reds  
Violets  
Yellows  
18. Rosin and Rosin Derivatives  
19. Alkyd Resin Technology  
20. Miscellaneous Resins in Protective Coatings  
Petroleum Resins  
Terpene Resins  
Coumarone-Indene Resins  
Maleic Resins  
Chlorinated Resins  
21. Solvent-type Resins  
Brush Lacquers  
Acknowledgment  
Ethyl Cellulose  
Parlon  
Vinyl Resins  
Polystyrene and Styrene Resins  
Acrylate and Methacrylate Resins  
Allyl Resins  
Pliolite  
Silicone Resins  
22. Hydrocarbon Thinners  
Measures of Solvency  
Composition  
Viscosity Reduction  
Tests for Purity  
Volatility  
Conclusion  
23. Formulation of the "Volatiles" in Nitrocellulose Lacquers  
Solvents and Diluents  
Latent Solvents  
Thinners  
24. The application of Metallic Soaps as Driers, Fungicides,  
Suspending Agents and Flatting Agents  
Theories on the Mechanism of the Action of Driers  
Efficiency of Driers  
Effect of Vehicle  
Metallic Soaps as Fungicides  
Metallic Soaps and Suspending Agents  
Metallic Soaps as Flatting Agents  
25. The Testing of Raw Materials  
Reasons for Testing Raw Materials  
Completeness of Testing  
Solvents  
Drying Oils  
Conclusion  
26. Resin and Varnish Manufacture  
Tung Oil  
Oiticica Oil

Perilla and Linseed Oils  
Other Oils  
Oil-Resin Combinations  
27. Industrial Finishes  
Classification  
Manufacturing Methods for Industrial Finishes  
28. Trade Sales Paints  
Shingle Stain  
Spar Varnish  
Exterior Enamels  
Gaulking Compounds  
Asphalt and Coal-tar Paint  
Wall Primer and Sealers  
Wall finish Coats  
Enamel Undercoaters  
Enamel Finish Coats  
Varnishes  
Floor Paints and Enamels  
Miscellaneous  
29. Water and Emulsion Paints  
30. Aminoplast Resins  
Chemistry and Composition  
Commercial Practice and Composition  
Functional Use and Mechanism  
Formulation  
31. Phenolic Resins  
32. Epoxy Resins  
Physical and Chemical Characteristics of Epoxy Resins  
Two-Package or Amine-Cured Epoxy Coatings  
Epoxy Esters  
High-Performance Baking Finishes  
Other Types of Epoxy Coatings  
33. Acrylic Resins  
Types of Acrylic Resins  
Properties of Acrylic Resins  
Polymerization of Acrylic Monomers  
Applications of Acrylic Polymers  
Starting Formulations  
34. Vinyl Resins for Coatings  
Polymerization Methods  
Vinyl Chloride Solution Resins  
Vinyl Dispersion Resins  
Polyvinyl Acetal Resins  
Polyvinyl Acetate  
35. Urethane Coatings  
Raw Materials  
Coating Vehicle Intermediates  
Chemistry  
Classification of Coatings  
Drying Oil Modified Urethanes  
Prepolymers  
Blocked Isocyanates  
Two-Package Urethane Coatings Astm-4

Polyester/Polyisocyanate Two-Component Systems, Astm-5  
Comparison of Urethane Coatings with Competitive Coatings  
Improved Color Stability  
Lower-Cost Urethanes  
Conclusion  
36. Oxygenated Solvents  
Ester Solvents  
Ketone Solvents  
Glycol Ether Solvents  
Alcohols  
Other Solvents  
Solvent Properties  
Formulation of Solvents Systems  
37. White Pigments  
Opacity  
The reactive white Pigments  
The nonreactive white Pigments  
38. Coloured Pigments  
Chrome Yellows  
Zince Yellows  
Strontium Yellow  
Nickel Titanate Yellow  
Nickel Azo Yellow  
Cadmium Yellow  
Yellow Iron Oxide  
Hansa Yellows  
Benzidine Yellows  
Vat Yellows  
Chrome Orange  
Molybdate Orange  
Cadmium Orange  
"Mercadium" Orange  
Benzidine Orange  
Dinitraniline Orange  
VatDay Oranges  
Chrome Greens  
Chromium oxide  
Hydrated Chromium Oxide  
Copper Phthalocyanine Green  
Organic Green Toners  
Iron Blues  
Copper Phthalocyanine blues  
Ultramarine Blue  
Organic Blue Toners  
Indanthrone Blue  
Carbazole Dioxazine Violet  
Organic Violet Toner  
Mineral Violet  
Quinacridone Violet  
Lithols  
Para Reds  
Toluidine Reds  
Lithol Rubine



Chlorinated Para Red  
Quinacridone Reds and Maroons  
Red Iron Oxide  
Cadmium Red and Maroons  
"Mercadium" Reds and Maroons  
Red Lead  
Thioindigo Reds and Maroons  
Arylide Maroons  
Siennas, Ochres and Umbers  
Carbon Blacks, Lampblacks and Bone Blacks  
Tinting Properties of Colored Pigments  
39. Paint Formulation  
Art  
Science  
Raw Materials  
Manufacture  
Cost  
Performance  
Principles  
Pigments Volume Concentration  
Critical Pigment Volume Concentration  
Pigment  
Vehicle  
Solvents and Driers  
Formulation Example  
Computer  
40. Pigment Dispersion  
Definition  
Method.  
Equipment  
Mill Base Formulation  
Setting Up a Laboratory Formula  
Equipment setups and Limitations  
Tank Configuration  
Premixers  
Conclusions  
41. Emulsion Paints  
Ingredients of An Emulsion Paint  
Emulsion Formation  
Stability of Emulsions  
42. Maintenance Paints  
Paint Types and Selection  
Coating Types  
Description By Generic Types  
Principles of Effective Maintenance Painting  
Substrate Materials  
Effect of Exposure  
Paint System and Application  
43. Aluminum Pigments and Paints  
History  
Methods of Manufacture  
Properties and Characteristics of The Pigment  
Aluminium Pigments Products

Testing Aluminum Pigments  
Aluminum Paints  
Application Methods  
44. Aerosol Coatings  
Definition  
Description  
Components  
Paint Formulation  
45. Paint and Varnish Removers  
Paint Removal  
Solvent Paint and Varnish Removers  
Nochlorinated Solvent Paint Removers  
46. Machinery & Equipments for Paint & Varnish Industry  
Triple Roil Mill  
Sand Grinder  
Colloid Mill  
Amalgamator or Horizontal Mixer  
Attrition Mill  
Roll Mill  
Cone Blender Mixer  
Drum Type Mixer  
Planetary Paste Mixer  
Portable Stirrer  
High Speed Dissolver  
Steam Jacket Pans and Kettles  
Emulsifiers  
Filter Press  
Unroll Mill

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are often faced with the dilemma of zeroing in on a suitable product/line.

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**NIIR PROJECT CONSULTANCY SERVICES** , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** [npcs.india@gmail.com](mailto:npcs.india@gmail.com) **Website:** [NIIR.org](http://NIIR.org)

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