

**WATER-BASED
TRADE PAINT
FORMULATIONS**

Ernest W. Flick

FORMULATIONS

by

Ernest W. Flick



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Park Ridge, New Jersey, U.S.A.

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Preface

This collection of 562 up-to-date water-based trade paint formulations will be of value to technical and managerial personnel in paint manufacturing companies and firms which supply raw materials or services to these companies, and to those interested in less hazardous, environmentally safer formulations. The book will be useful to both those with extensive experience as well as those new to the field.

The data consist of selections of manufacturers' suggested formulations made at no cost to, nor influence from, the makers or distributors of these materials. The information given is presented as supplied; the manufacturer should be contacted if there are any questions. Only the most recent data supplied us has been included. Any solvent contained is minimal.

The table of contents is organized in such a way as to serve as a subject index. The formulations described are divided into three major sections, which cover exterior, interior, and exterior and/or interior water-based paints, enamels, and coatings. Further subdivision into chapters is as indicated below.

- I. Exterior Paints, Enamels and Coatings
 1. Exterior paints
 2. Exterior tint base paints
 3. Exterior tinted paints
 4. Exterior trim tint-base enamels
 5. Exterior white paints
 6. Exterior white and light tint paints
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 10. Interior flat paints
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- III. Exterior and/or Interior Paints, Enamels, Primers and Stains
 - 19. Colored enamels
 - 20. Gloss enamels and paints
 - 21. Intumescent fire retardant paints
 - 22. Primers and primer/sealers
 - 23. Semi-gloss paints and enamels
 - 24. Stains
 - 25. White enamels
 - 26. Miscellaneous paints and enamels

Each formula has been placed in the chapter which is most applicable. The reader, if seeking a formula for a specific end use, should check each chapter which could possibly apply.

In addition to the above, there are two other sections which will be helpful to the reader:

- IV. A chemical trade name section where trade-named raw materials are listed with a chemical description and the supplier's name. The specifications which the raw materials meet are included if applicable.
- V. Main office addresses of the suppliers of trade-named raw materials and/or formulations.

Included in the descriptive information for each formulation, where available, the following properties may be listed: viscosity, solids content, % nonvolatiles, pigment volume concentration, density, pH, spatter, leveling, sag resistance, scrub cycles to failure, contrast ratio, ease of dispersion, fineness of grind, heat stability, freeze-thaw stability, ease of application, gloss foaming, cratering, brightness, opacity, water spotting, adhesion to chalk, brush clean-up, reflectance, and sheen.

Ernest W. Flick

NOTICE

To the best of our knowledge the information in this publication is accurate; however the Publisher does not assume any responsibility or liability for the accuracy or completeness of, or consequences arising from, such information. This industrial guide does not purport to contain detailed user instructions, and by its range and scope could not possibly do so. Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the Author or Publisher.

Water-based trade paint raw materials could be toxic, and therefore due caution should always be exercised in the use of these potentially hazardous materials. Final determination of the suitability of any information or product for use contemplated by any user, and the manner of that use, is the sole responsibility of the user. We strongly recommend that users seek and adhere to a manufacturer's or supplier's current instructions for handling each material they use.

The Author and Publisher have used their best efforts to include only the most recent data available. The reader is cautioned to consult the supplier in case of questions regarding current availability.

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