

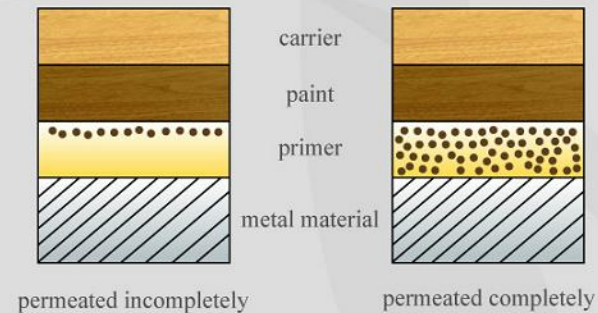
THERMOFORM TRANSFER PRINTING FILM

水轉印膜·熱塑轉印膜·TT金屬密著膜·ET模內複合膜·彩色防水透濕膜·水轉印專業加工·整廠設備技術輔導
WATER TRANSFER PRINTING FILM / THERMOFORM TRANSFER PRINTING FILM / TT METAL LAMINATED FILM / ET IN MOLD COMBINATION FILM /
COLORFUL BREATHABLE & WATERPROOF FILM / PROFESSIONAL WATER TRANSFER PRINTING SERVICE / EQUIPMENT & TECHNOLOGY TRANSFER

A. INTRODUCTION TO THERMOFORM TRANSFER PRINTING FILM

Thermoform Transfer Printing Film is composed of paint and film carrier, the paint can be sublimated and transferred to the primer of metal material through thermal energy.

The permeating depth of paint into primer is decided by the temperature, pressure, time and the compatibility, and it will affect the weather ability, abrasion resistance and ultraviolet resistance of finished product surface. Traditional Heat Transfer process by transfer paper can only permeate the shallow degree of primer, but IFFA Thermoform Transfer Printing Film can lead much better performance.



B. THE TECHNICAL PROCESS OF THERMOFORM TRANSFER PRINTING

a. Work Flow of Prior Treatment

1. Cleanness: In the purpose of adhesion enhancing and rusty-proof, apply de-fouling, degreasing and rusty moving to different material.
2. Baking & Base Coating: Process the work piece by powder coating after moisture drying, and then set it in the oven for baking.

b. Work Flow of Thermoforming Transfer Printing

1. Slitting: Place the film into the slitter and get slit according to the required size.
2. Sealing: Seal the slit film as a sheath to avoid the blisters generated to affect the complete grain during heating process.
3. Transfer Printing: Put the work piece into the film sheath and put on the working frame, then pump out the air and make it be in a vacuum. Then, push the working frame into the Thermal Transfer Printing machine, make the work piece be baked in high temperature for a period of time and the paint will completely permeate the primer. Remove the film after heating process, the work piece will be quenched and be a finished product.



C. APPLICATIONS

Thermoform Transfer Printing provides fast, stable and high-capacity production process. However, the material need to resist high temperature in process, so it is suitable for metal material. Generally, it is applied to the large hardware and construction, such as stair hanrail, furniture, ceiling floor, lamp cover, advertisement board, outdoor grille, interior decoration material., etc.

D. WHAT CCH OFFERS

a. Thermoform Transfer Printing Film

The finished products by IFFA Thermoform Transfer Printing Film can reach 2H degree in hardness and has very good abrasion and scratch resistance; it also pass Level 4 at over 500 hours in ASTM G 53-96 with excellent UV-proof and weather-proof performance. The film can be used with safety, since the formulation without poisonous substances such as lead and formaldehyde.

CCH supplies superior IFFA Water Transfer Printing Film with over 500 patterns for customers' choice, including wood grain, stone grain, metal grain, carbon fiber, camouflage and other designs.

b. Thermoform Transfer Printing Equipment & Technology Transfer

CCH provides whole set of Thermoform Transfer Printing machine, and has a professional team which assist customers on primer selection and machine manipulation. All of these will help customers to operate independently as soon.



成昌興企業股份有限公司
CHENG-CHANG-HSING INDUSTRIAL CO., LTD. (CHANG-HUA)
彰化縣和美鎮頭前里和頭路612巷37號
NO. 37, Lane 612 He-tou Road, Tou-clan Village,
He-mei Town, Chang-hua County 50851, Taiwan
TEL: 886-4-7573111
TEL: 886-4-7575661
E-mail: cchcubic@ms36.hinet.net

彩衣塑膠製品有限公司
CAI-YI PLASTIC PRODUCT CO., LTD. (DONG-GUAN)
廣東省東莞市大朗鎮松木山黃竹溪工業區
Huang-zhu-xi Industrial Zone, Song-mu Mountain,
Da-lang Town, Dong-guan, Guang-dong Province, China
TEL: 86-769-83191428
FAX: 86-769-83130428
E-mail: cchcubic@pie.com.tw

昆山彩衣辦事處
CAI-YI OFFICE (KUN-SHAN)
TEL: 86-512-55172628
FAX: 86-512-55172722
E-mail: caiyi-kunshan@cchcubic.com.tw