

# Druckfarben



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## **BRIEF OVERVIEW OF MICROENCAPSULATION TECHNOLOGY**

THE TECHNOLOGY KNOWN AS "MICROENCAPSULATION" ALLOWS THE CONTAINMENT OF ANY **LIPOSOLUBLE ACTIVE INGREDIENT** INSIDE A "CAPSULE", AS WELL AS ITS PROTECTION AGAINST EXTERNAL AGENTS.

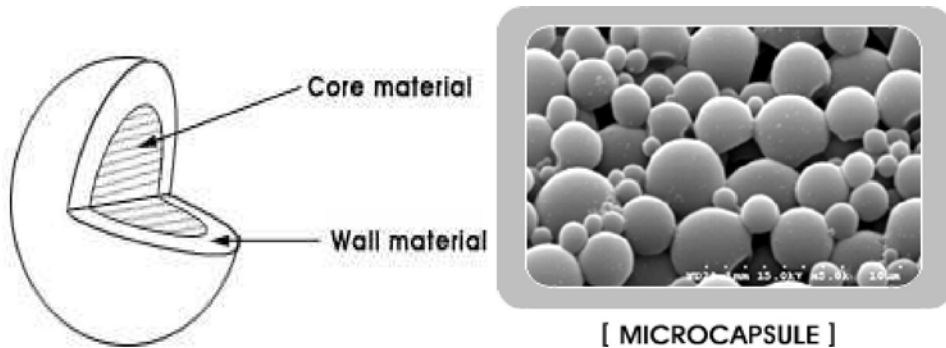
AN ACTIVE INGREDIENT IS ENCAPSULATED IN ORDER TO CONTROL ITS RELEASE AND TO CONSERVE ITS EFFECTS FOR THE LONGEST POSSIBLE TIME.

THE MICROENCAPSULATED ACTIVE INGREDIENT CAN BE RELEASED BOTH SLOWLY AND PROGRESSIVELY, OR QUICKLY BY BREAKING THE "CAPSULE" THROUGH THE APPLICATION OF SLIGHT PRESSURE.

THE SIZE OF THE MICROCAPSULES VARIES BETWEEN 1 $\mu$ m AND 30 $\mu$ m.

## **MICROENCAPSULATION CHARACTERISTICS**

- INCREASES THE LONGEVITY AND RATIONALIZES THE RELEASE OF THE CONTAINED ACTIVE INGREDIENT
- PROTECTS SUBSTANCES FROM THE EFFECTS OF SPECIFIC ENVIRONMENTS (HEAT-Ph...)
- MINIMIZES LOSSES DURING THE MANUFACTURING PROCESS



Classification	Dry Type (for solvent and U.V.)
Appearance	Powder
pH	
Solid content	100%
Average size	1~30
Aroma contents	20 - 30%
Ionic property	
Dispersibility	Good

### MICROENCAPSULABLE PRODUCTS

Our company is a leader in the Microencapsulation of LIPOSOLUBLE active ingredients in Italy, ingredients such as:

PERFUMES - ANTI-MITE SUBSTANCES - ANTI MOSQUITO SUBSTANCES - SANITIZERS - ALOE EMOLLIENT AND SOOTHING OILS - DEODORIZING ACTIVE INGREDIENTS

These micro-encapsulated products are used in the textile and paper industries for the production of:

softeners with long lasting fragrances

"Intelligent" fabrics  
(scented, deodorizing, emollients...)

Scented and soothing paper  
(handkerchiefs, toilet paper, tissue..)