

DUALITE[®] TECHNICAL INFORMATION

Why choose the Dualite[®] U Series?

I. Dualite[®] U Series is comprised of unique polymeric microspheres that contain a blowing agent. Upon heating, the internal pressure created causes the microsphere to expand many times greater than its original size. These expandable microspheres can help:

- * Reduce costs
- * Reduce weight (by reducing density)
- * Lower VOC emissions
- * Produce three dimensional effects

II. Typical Applications for the Dualite[®] U Series include:

- * PVC Foam
- * Expandable Printing Ink
- * Moldable Plastics
- * Unsaturated Polyester Resins
- * Putty & Synthetic Wood
- * Paint
- * Automotive Underbody Coatings
- * Rubber
- * New ones all the time

III. Dualite[®] U Series replaces blowing agents when creating extruded or molded foams. The key improvements versus blowing agents are that the foams:

- * Have a uniform cell structure providing great resiliency
- * Are closed cell due to the makeup of the microspheres

IV. Dualite[®] U Series microspheres are offered in two forms:

- * A dry non-agglomerated free flowing powder
- * A wet cake (typically at 70% solids in H₂O)

V. Dualite[®] U Series has a normally distributed particle size

VI. Dualite[®] U Series improves the machinability, processability, and workability of many formulations

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