

A DEMONSTRATION OF STRUCTURAL APPLICATIONS OF PLASTICS

MONSANTO CHEMICAL CO.
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MONSANTO "PLASTICS HOME OF THE FUTURE"

This unique building is an experimental design demonstrating structural applications of plastics. It represents one part of Monsanto's comprehensive program to broaden and facilitate the general use of chemicals, plastics and petroleum products throughout industry—in this case, the home construction and furnishings markets.

Monsanto neither manufactures nor markets the "Plastics Home of the Future," nor is it commercially available from other sources:



*"MONSANTO: Chemistry
on the Move to the Future"*

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MONSANTO

OF THE FUTURE"

The erection of the Monsanto "Plastics Home of the Future" at Disneyland in the summer of 1957 provided a practical demonstration of the almost limitless potential of plastics in structural applications. The basic construction material is plastic reinforced with fibrous glass. Design components are a 16-foot-square utility core and eight 8 x 16-foot U-shaped molded modules.

The winged design in the shape of a cross assures full daylight for every room, reduces inter-room noise and provides added privacy for various family activities. Various combinations of the design components, including the use of twin cores, make it possible to achieve a variety of floor plans. Rooms may be easily and economically added or removed to conform with the changing space requirements of the residents.

OUTSTANDING EQUIPMENT OF ADVANCED DESIGN ON DISPLAY IN THE "PLASTICS HOME OF THE FUTURE" INCLUDE:

"Atoms for Living Kitchen" featuring micro-wave cooking and ultra-sonic dishwashing.

Telephones with preset and push-button dialing, "hands-free" speakers and transmitters, and viewing screen to see the person who is calling.

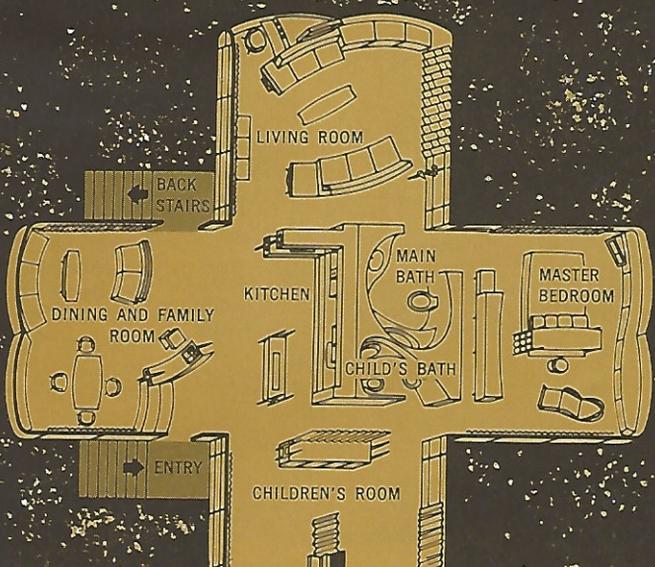
Modular bathrooms with lavatory, tub, walls and floor molded in units.

Foamed-in-place rigid urethane plastic foam for insulation and structural strength and flexible urethane foam for cushioning furniture and rugs.

Climate control center which filters, cools, heats and scents the air in each room independently.

Foam-backed plastic floor covering with controlled resiliency and noise-reducing properties.

"Acrilan" acrylic fiber and Chemstrand nylon for upholstery, draperies and carpeting.

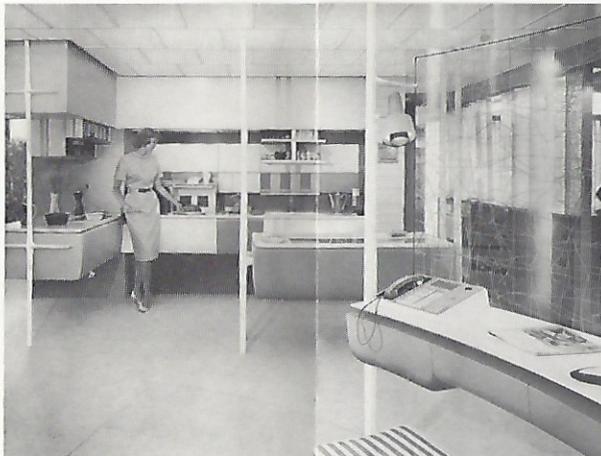


With its unique architecture . . . replacing, as it does, the square, sharply angled lines of the traditional home structures with soft, gently curved surfaces . . . the "Home of the Future" also ushers in a dramatic, new era in the treatment of interiors. Each room in the "Home of the Future" embodies bold, new concepts in the handling of curved wall and floor areas and fresh, new ideas in the design and shape of furniture. The living areas blend with effortless ease. Most important, gracious living and convenience are merged as never before.

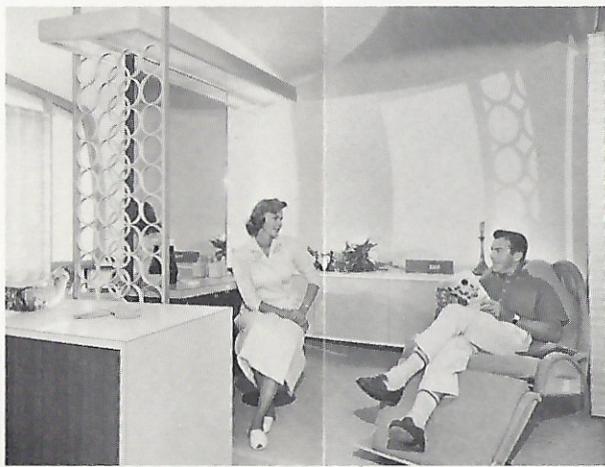
A LOOK AHEAD AT INTERIORS...

with graceful curves as the keynote.

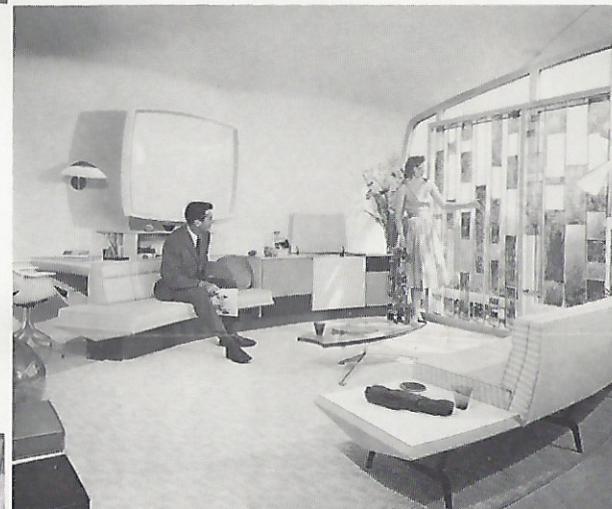
THE CHILDREN'S ROOM ... At night, the children's wing divides handily into "his" and "hers" and, by day, the plastic divider screen folds to transform the room into a large indoor play area. Durable plastics which withstand the abuse that children give furnishings are used in a variety of applications: the honey-comb plastic wall, the hardy "Acrilan" rug and the textured melamine laminates for counter and cabinet surfaces. The compact children's bath has a lavatory which raises and lowers electronically to suit the height of the child.

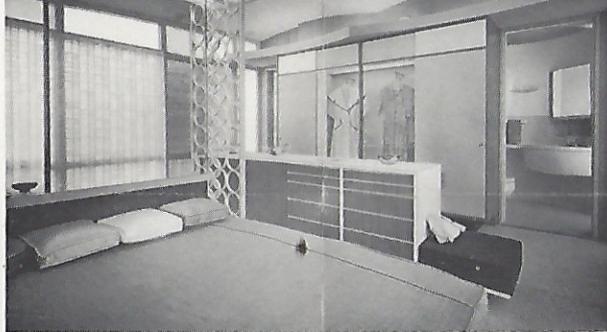
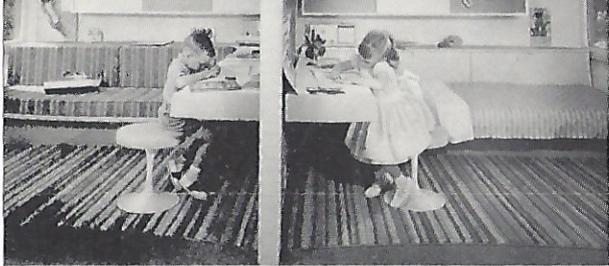


THE KITCHEN ... Bathed in a soft, low-intensity light which radiates from a luminous ceiling of polarized light, the kitchen combines striking beauty with the ultimate in efficiency. The vinyl floor covering, embedded with pearl flakes, and the melamine laminate counter and shelf surfaces have a soft surface finish and texture all of their own. This exciting kitchen features micro-wave cooking (the range lowers into the counter to cook a roast in minutes) . . . ultra-sonic dishwashing (where all the hard work is done by sound waves) . . . and appliances and storage shelves that appear and disappear at the touch of a button.



THE LIVING ROOM ... Featuring handsome functional design without sacrifice of traditional elegance, the living room interior is adapted to the graceful curves of the plastic wing. One wall of the living room contains the hifi-stereo music center; a giant observascope which is a life-sized combination color television and movie screen; and a built-in sofa with adjoining desk nook. Colorful, floor-to-ceiling plastic louvers are powered to rotate before the window wall and cast varying patterns of color and light on the ceiling, floor and on opposite walls. The handsome area rug of "Acrilan" carries out the curve motif.



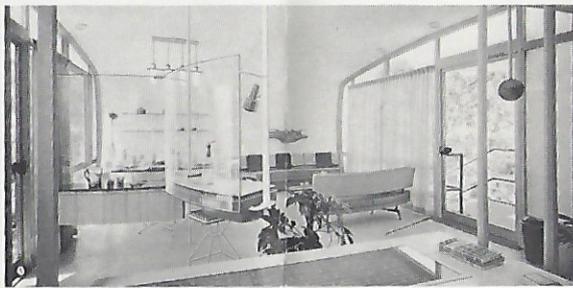


THE DINING AND FAMILY ROOM... The family room demonstrates that airy, uncluttered spaces are possible without loss of warmth and charm. Amply provided for are the dining and sitting areas and a planning desk that contains the "floating" communications center. Here, the homemaker of the future will do her marketing the easy way—simply by using the small, color, viewing screen where choice cuts of meat and fresh vegetables and fruit can be viewed for selection from the neighborhood market.

Wall-hung sofa and storage cabinets contoured to the curved walls help to conserve space.



THE MASTER BEDROOM... The master bedroom wing features a dressing-sitting room with a push-button control contour lounge chair which is adjustable to any position of the body. This chair features built-in speakers at ear level for intercom and music listening. One side of the bed headboard forms a combination room divider and makeup mirror. The wall windows are thermopane insulated glass. Decorative laminated safety glass lends new interest to the see-through sliding doors of the spacious floor-to-ceiling wardrobe. The master bath—tub, closet and walls—is molded in two units of plastic.



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