

### About U-Foam

Pioneers in Polyurethane foams and its research and application U-Foam Private Limited was incorporated in 1959 by our founder Late Mr. M Sarangapani who is considered by many as the "Father of polyurethane foams in India"

U-Foam has been associated with the Defence, Aerospace and Security industry in India for over five decades. From making flexible polyurethane compression bandages during the Indo-Pak war of 1971, to help developing polyurethane based rocket fuel binder for the first SLV-III with ISRO in 1978-79 to developing Polyurethane paints for Naval ship gun turrets,

U-Foam's excellence in specialty application polyurethane foams is unmatched in India.



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DEFENCE | AEROSPACE | SECURITY

# EXCELLENCE IN POLYURETHANES

## UNPARALLELED EXPERIENCE IN THE DEVELOPMENT OF CUSTOMER SPECIFIC FOAMS

With a combined experience of over 300 years in polyurethane chemistry, U-Foam is a one stop destination for all your needs of polyurethanes. From simple cushioning requirements to the most technically challenging, you can count on U-Foam to deliver it. If you cannot get it from U-Foam you probably cannot get it anywhere in the world.

Our technical product range is diverse are used by Bharat Electronics Limited, Hindustan Aeronautics Limited, Aeronautical Defence Establishment, Defence Research Development Laboratory, Bharat Dynamics Limited, Advance Naval System, Vikram Sarabhai Space Centre, Garden Reach Shipbuilders and Engineers Limited, Mazagon Dock Limited, Goa Shipyard Limited ,Hindustan Shipyard Limited to name a few,



### DIVERSE PRODUCT RANGE

- PRE FABRICATED BUILDINGS
- PROTOTYPING FOAMS
- CREW MATTRESSES
- ACOUSTIC FOAMS
- NOSE CONES
- FILTER FOAMS
- PUR BOARDSTOCK
- INSULATED PANELS
- PIR PIPE INSULATION
- HELICOPTOR ROTOR BLADE CORES

## engineered & precise products that work

### U-FOAM PROVIDES YOU A COMPREHENSIVE AND TAILOR MADE SOLUTION.

#### HELICOPTOR ROTOR BLADE CORES

The rotor blades of helicopters are subjected to enormous stresses. With the tips moving at speeds of about 220 meters per second, the shearing forces experienced by the sandwich construction needs is absorbed by the rigid foam core stabilising the rotor blade. U-Foam has developed these cores and is the proud recipient of the Indiginisation Award from SATI.

#### PIR FOAMS

Poly Isocyanurate foams from U-Foam in either board stock or pipe sections answer the demanding requirements of NCD and NES specifications for smoke index, oxygen index and toxicity index.

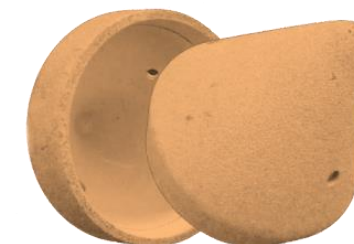
#### NOSE CONES

Lakshya is an Indian remotely piloted high speed target drone system. The crushable / breakable nose cone developed with special grade rigid foam creates the land recovery system of the drone.



#### PUR BOARDSTOCK

Used extensively in the manufacture of shelters for the armed forces, our PUR Foam boardstock meet all the technical requirements for manufacture of composite sandwich panels using various bonding techniques.



#### RAMJET CAPS

A Proprietary product made of high density rigid polyurethane foam which can be machined to exacting requirements of mission critical applications. Specifically developed for the Akash missile, these caps are designed to breakup at a predetermined pressure differential thereby opening the intake port of the ramjet which makes it operational.

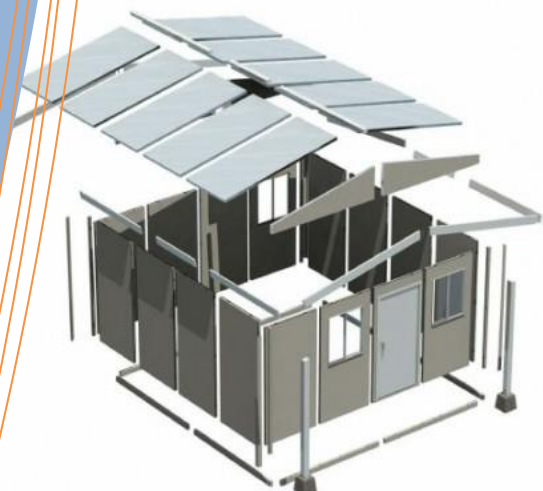
#### PRE-FAB STRUCTURES & BUNK HOUSES

U-Foam has an entire range of Insulated wall and roof panels of lengths 2 to 6 meters and thickness from 40mm to 250mm. Polyurethane foam cores offer the most effective insulation and structural strength.

U-Foam also manufacturers complete prefabricated building kits using insulated panels for a variety of applications from equipment rooms to housing for personnel.

#### MATTRESSES AND CUSHIONING

Seal Cushions and mattresses for personnel.



ISO 9001:2008  
CERTIFIED



**Proudly Indian**  
Designed, engineered, manufactured  
with technologies, that meet all  
international standards.