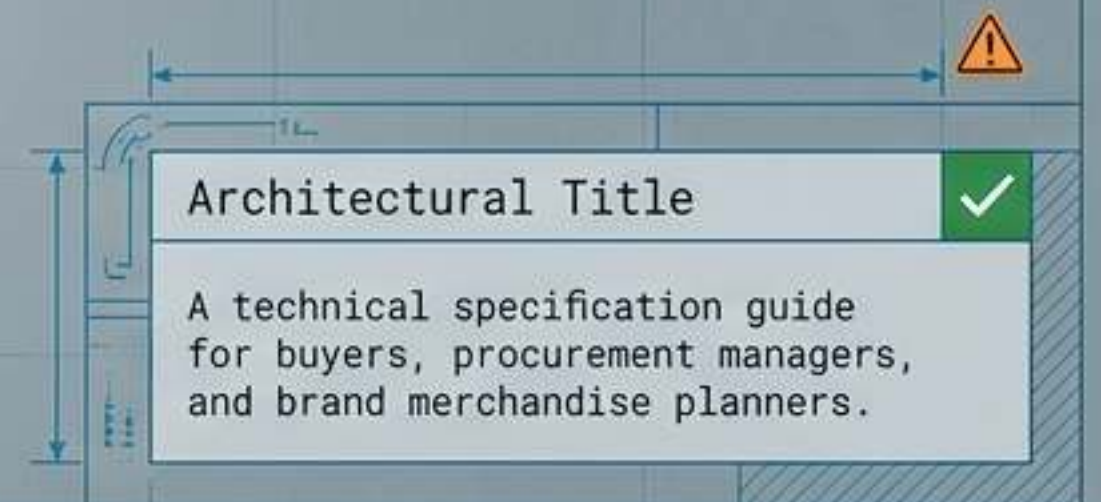
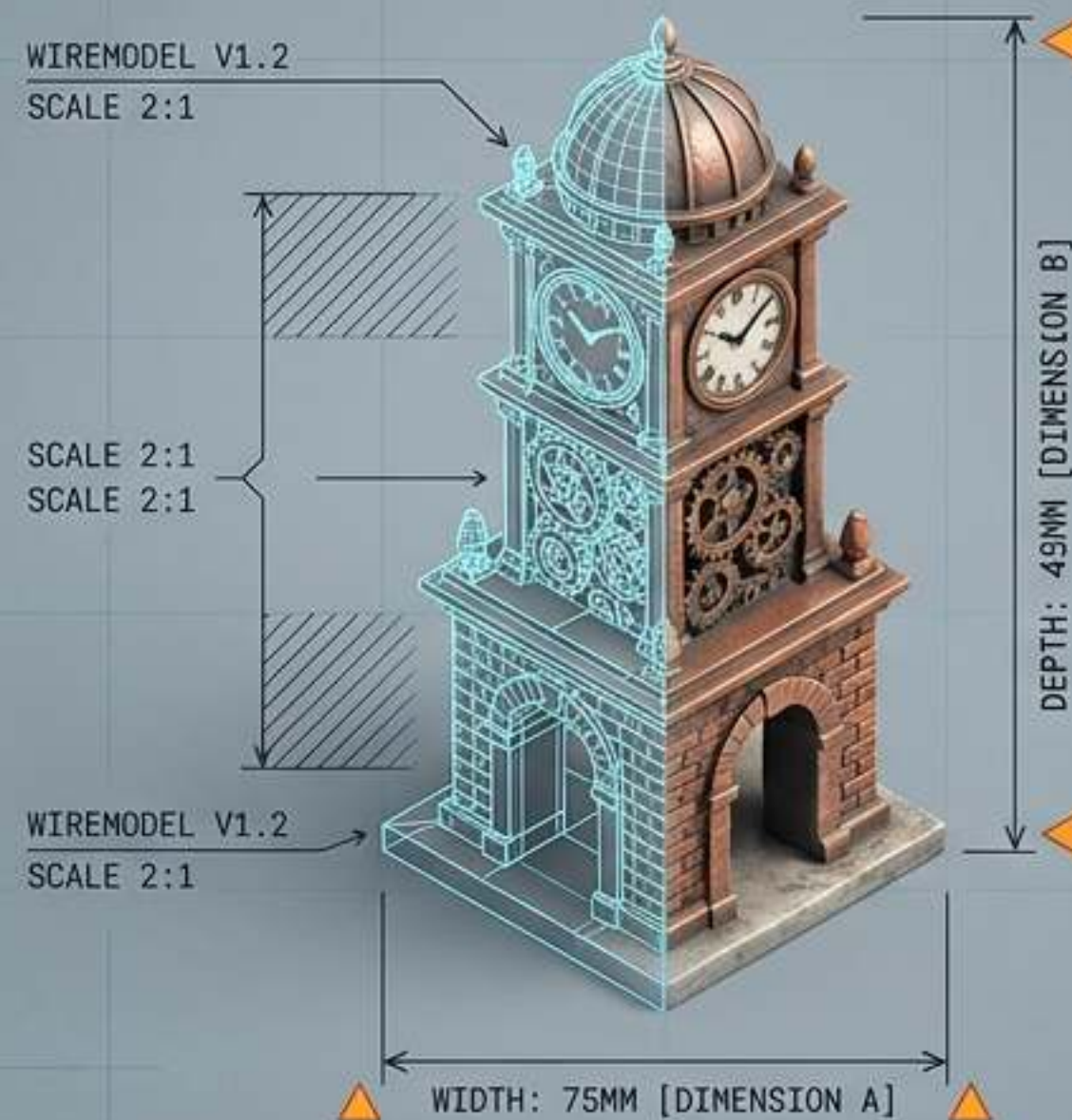


# Translating 3D Concepts into Custom Resin Reality





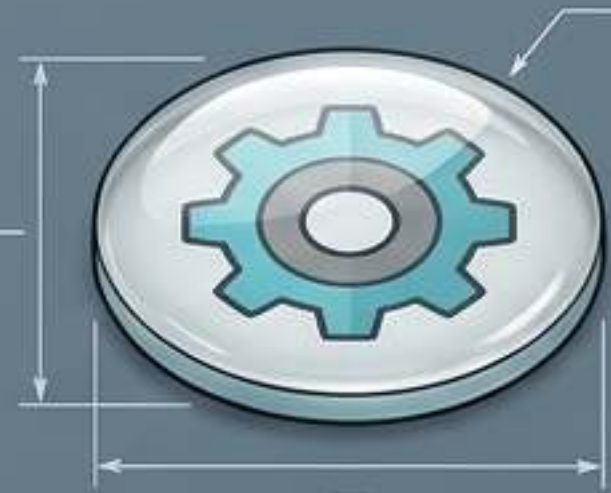
# Defining the Medium

Custom Resin (The Focus)



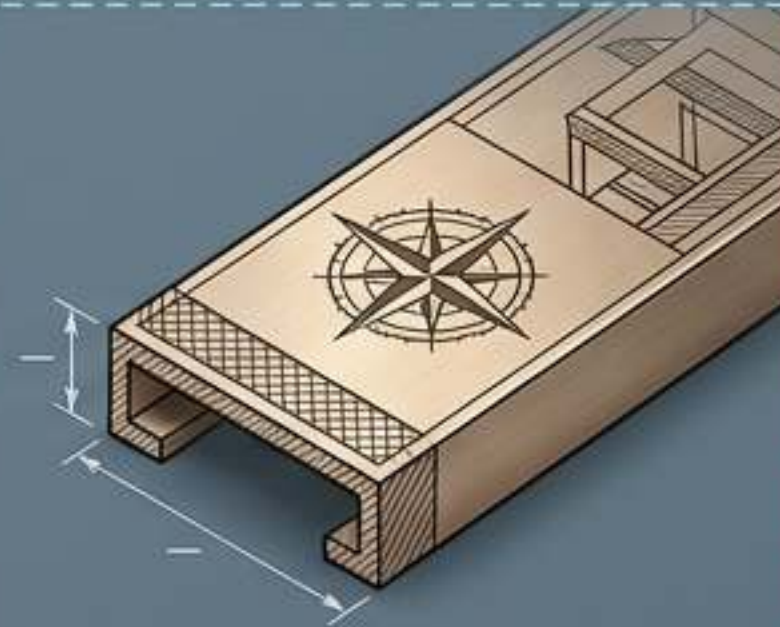
3D molded/cast body, sculpted relief, painted detail, tactile surface texture.

Clear Epoxy



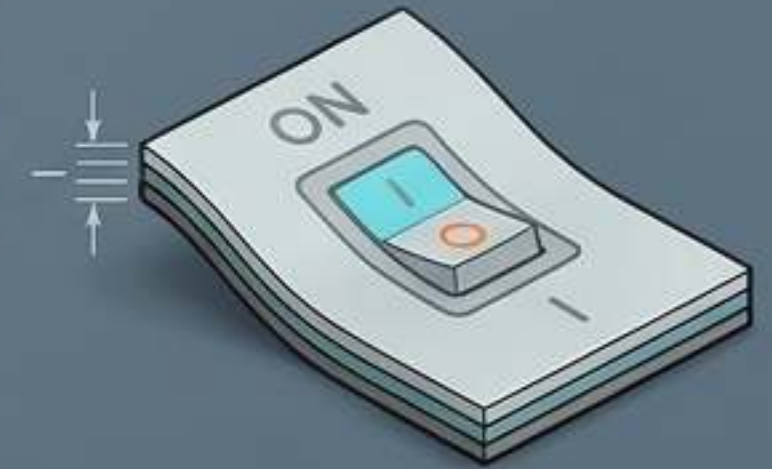
Flat graphic base covered by a clear domed coating. (Not a structural body).

Metal & Wood



Rigid, often restricted to 2D profiles or distinct engraving techniques.

Rubber



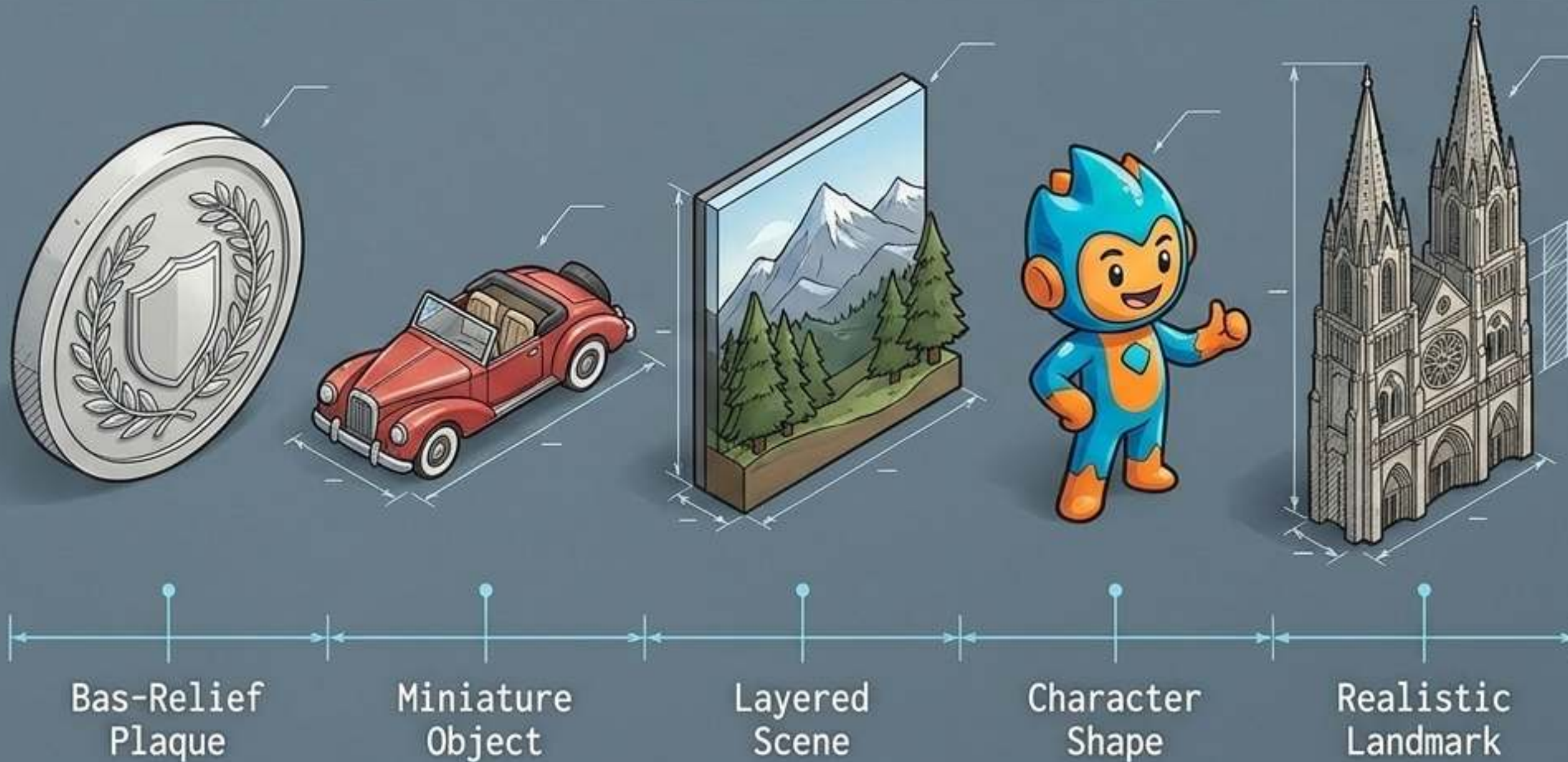
Flexible, flat layered pours lacking realistic 3D modeling.

The appeal of custom resin is true three-dimensional modeling and detailed painting. Buyers should describe the intended visual result without assuming a specific chemical resin formula.





# Defining the Three-Dimensional Form



## Viewing Priorities

- ☐ Antique effect vs. Glossy vs. Matte appearance
- ☐ Depth and surface texture
- ☐ Painted color variations

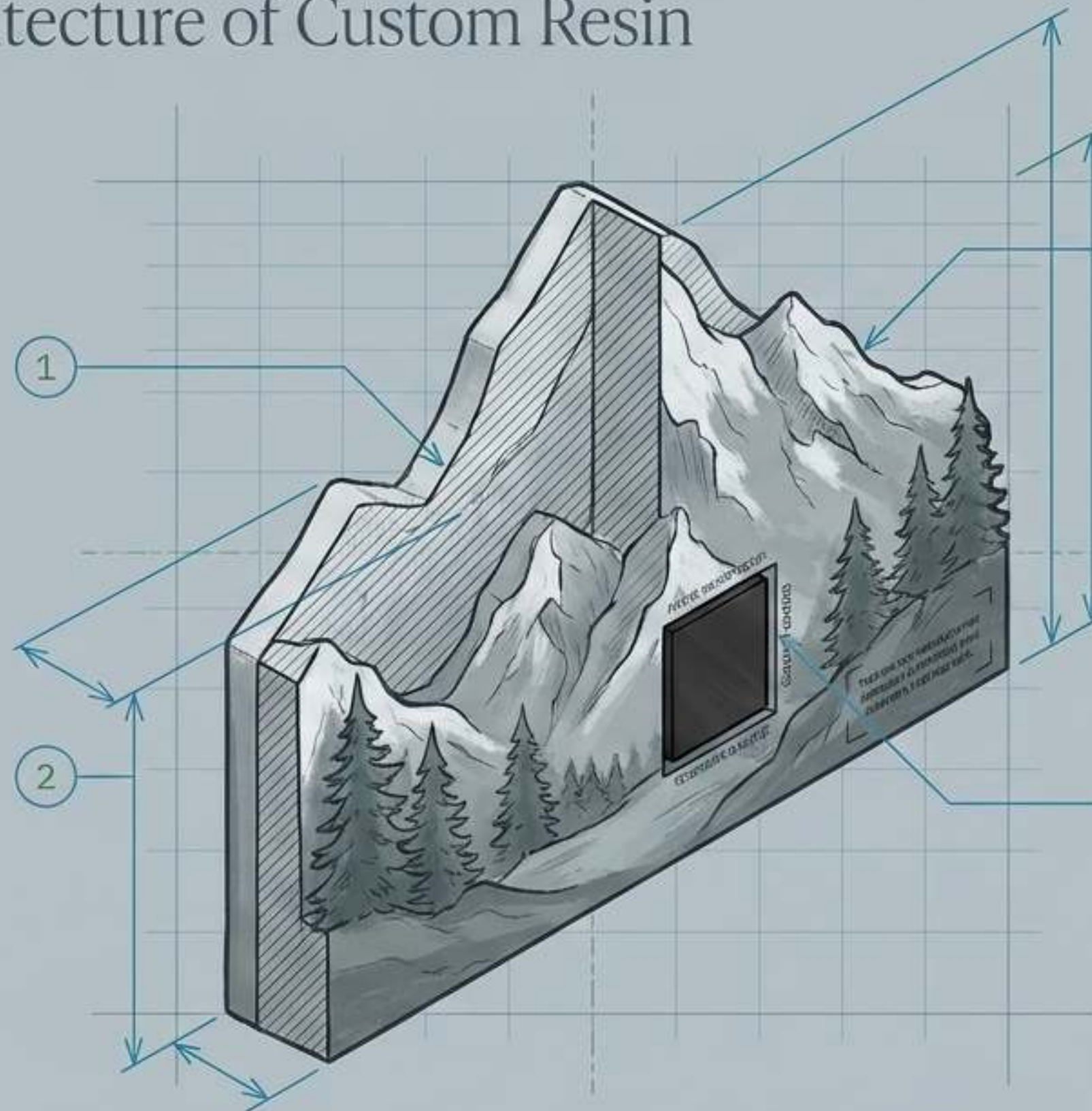
**Note:** Identify if photographic inserts are required alongside sculpted elements.



# The Internal Architecture of Custom Resin

**Molded Body:** The core cast structure forming the primary shape.

**Relief Depth Impression:** The variation in height from the lowest background point to the highest protruding feature.



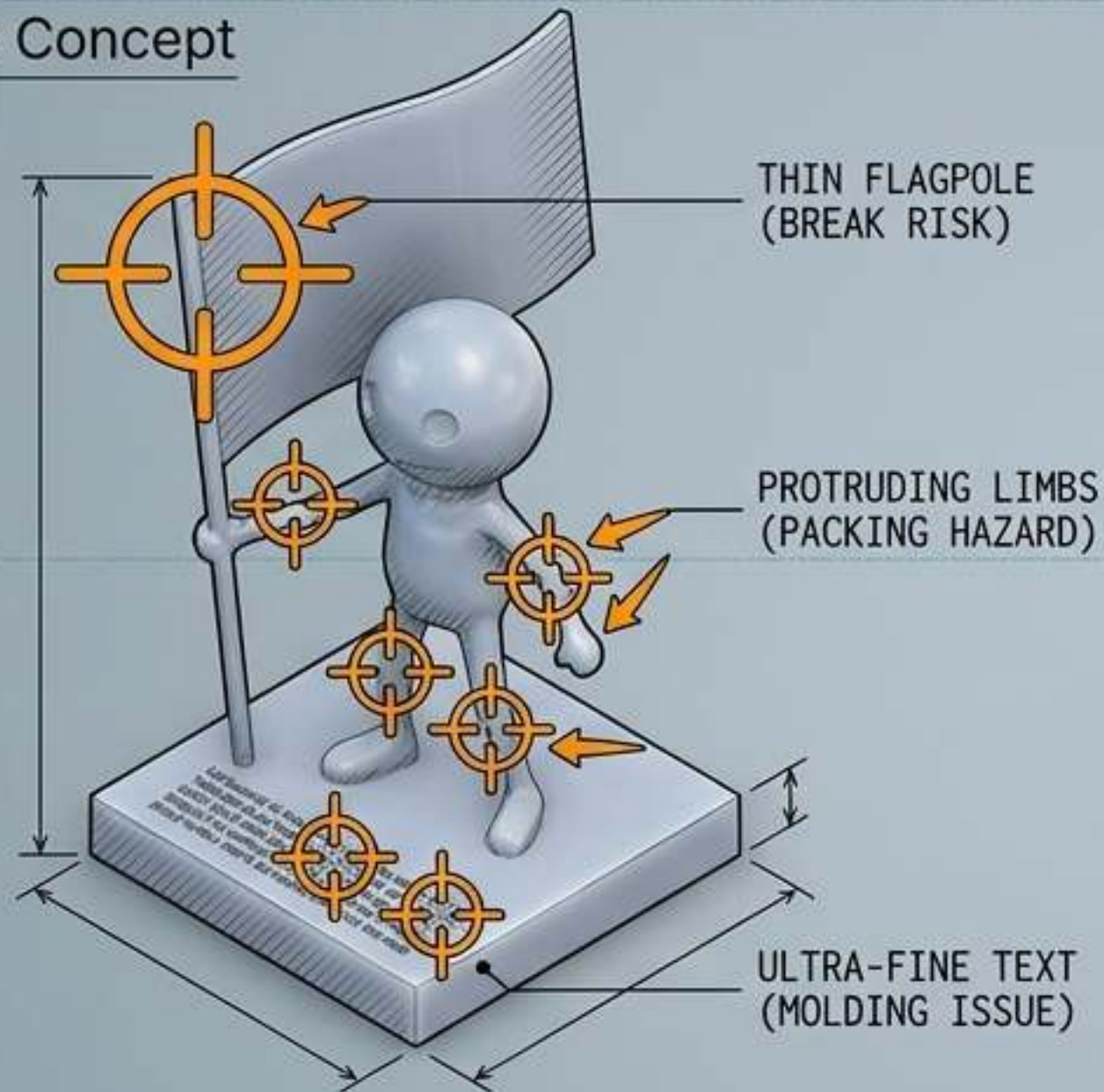
**3 Surface Texture & Paint:** The exterior application applied over the cured mold.

**4 Reverse-Side Magnet Position:** The embedded or surface-mounted attachment point, alongside any required reverse-side text, branding, or warning labels.

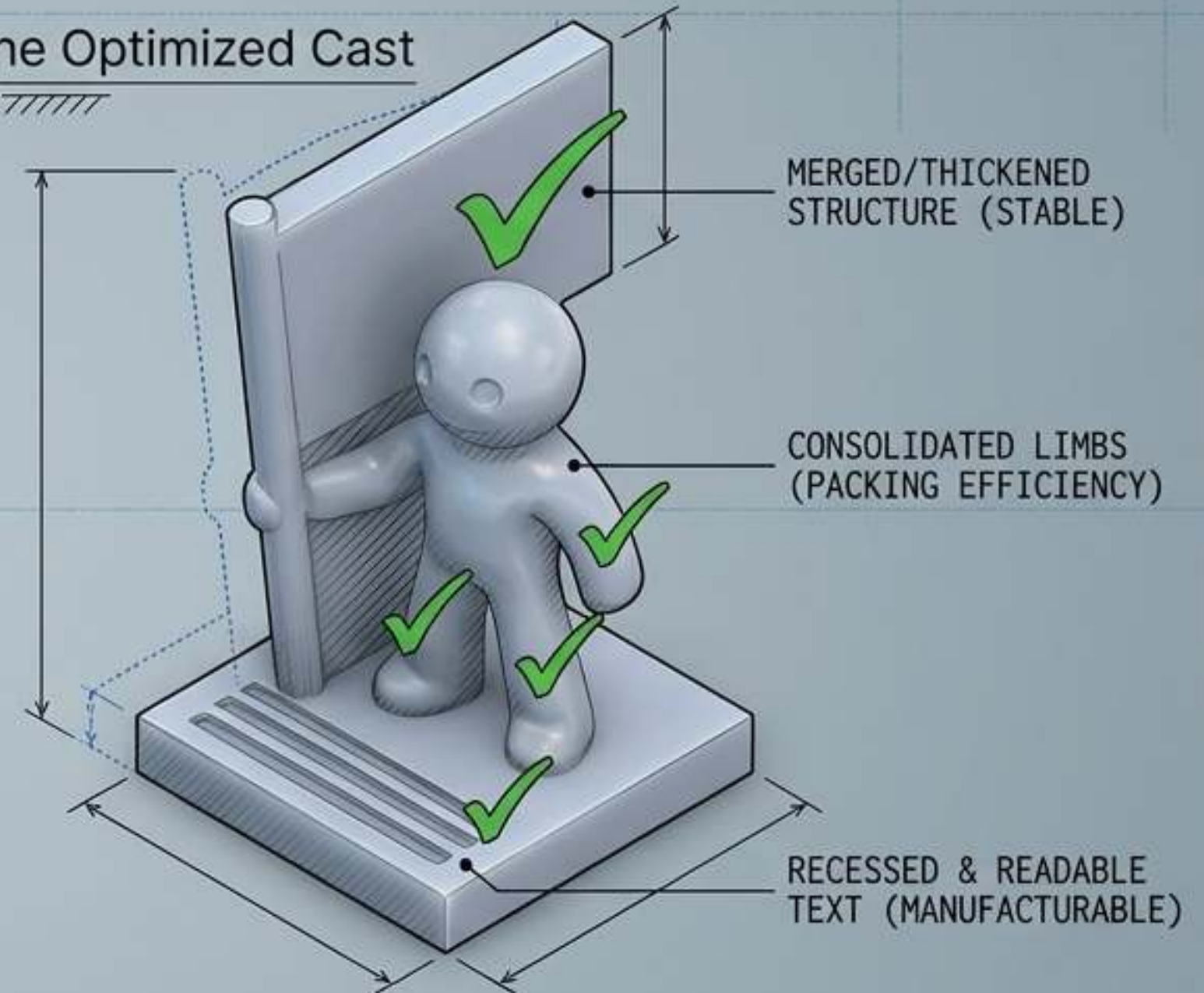


# Sculptural Constraints and Acceptable Simplification

## The Fragile Concept



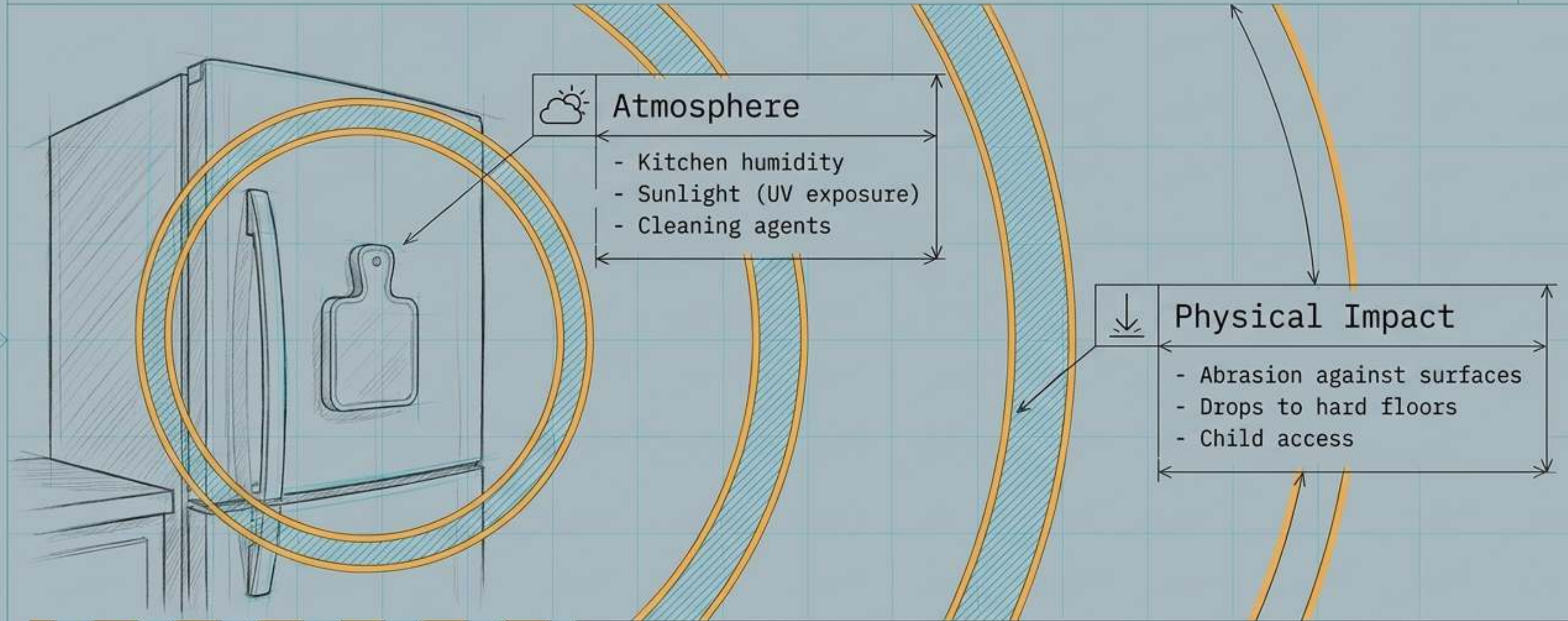
## The Optimized Cast



**Key Takeaway:** High protrusions and thin elements create severe packing and manufacturing concerns. Define acceptable simplification criteria early in the design phase.



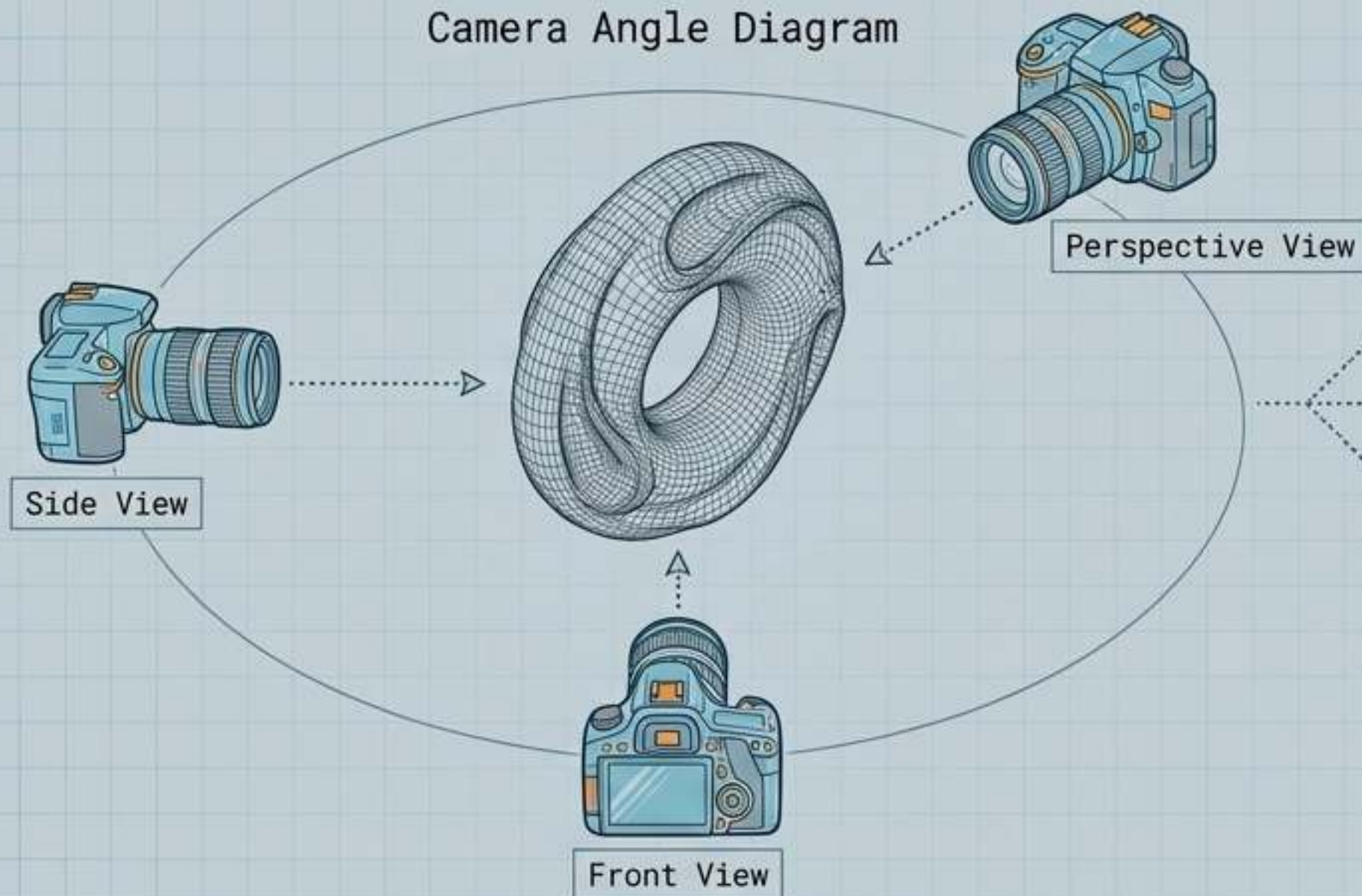
# Environmental Exposures Require Testing



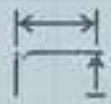
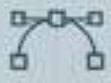
**CRITICAL NOTICE:** Do not assume attachment strength, impact resistance, coating performance, or safety characteristics. Critical surface, material, performance, or compliance requirements demand sample and testing review.



# Supplying the 3D Artwork Blueprint



## Asset Checklist

- ☒ - Front, side, and perspective visual references.
-  - Clear hierarchy of essential features and outer silhouette.
-  - Vector logos and high-resolution texture/color references.

A 2D artwork proof alone cannot demonstrate a sculpted result. Always request a physical sample or an approved 3D visual model appropriate to the project complexity.



# Intellectual Property and Production Variance



## IP & Licensing

Confirm all licenses before production. This includes legal clearance for landmarks, brand mascots, protected characters, and corporate symbols.



## Accepting Variation

Because custom resin is frequently painted and finished by hand, buyers must define their tolerance for variation: 

- ☒ - **Option A:** Accept natural hand-finished variations between units.
- ☐ - **Option B:** Establish tightly controlled appearance parameters through agreed, signed approval criteria.



# Designing the Logistical Armor



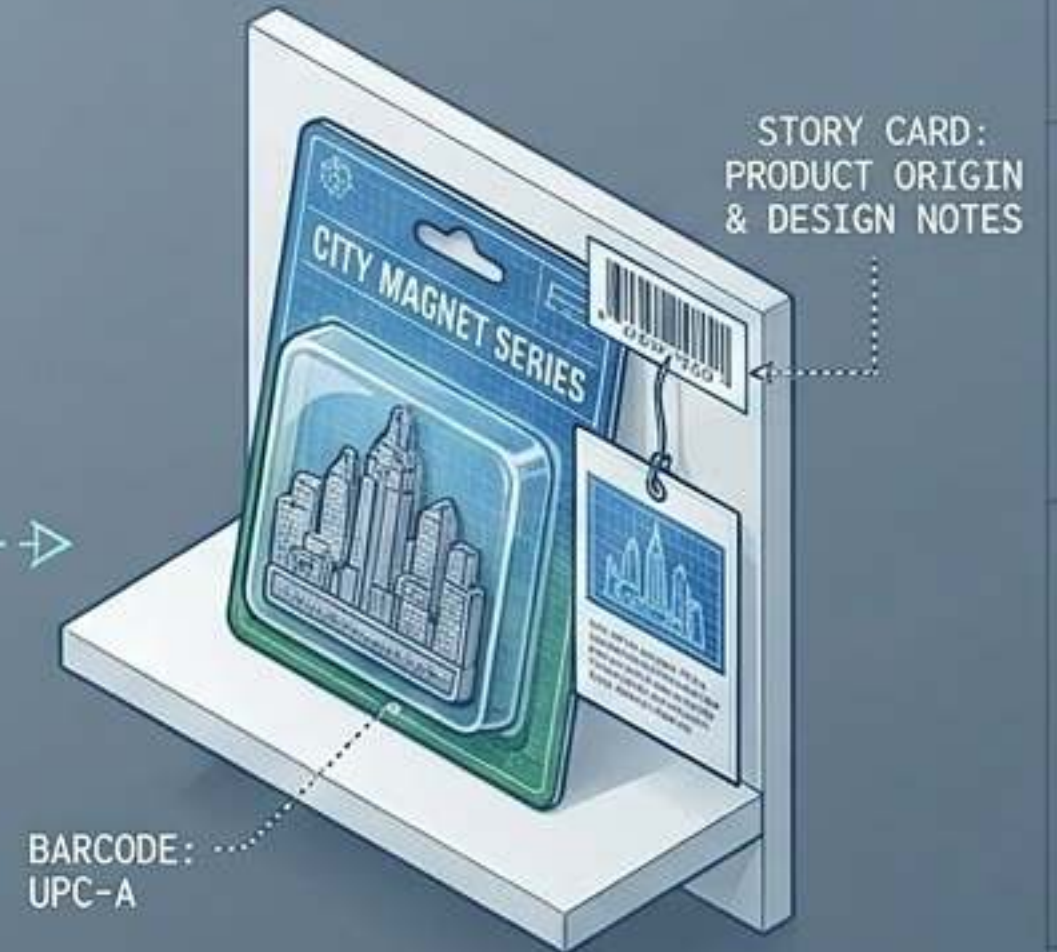
## 1. Basic Protection

Individual bags or foam-like separation to prevent rubbing and transit breakage.



## 2. Retail Presentation

Carded retail packs, specialized boxes, or display packaging.



## 3. Information

Integration of barcode placement and story cards for gift-shop environments.

|   |                                                                                                                                          |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------|--|
| ✓ | Procurement Data                                                                                                                         |  |
| ✓ | State exact quantities by individual design, specific colorways, regional variants, and desired assortment ratios inside master cartons. |  |



# The Master RFQ Control Panel

## 1. Intended Type

Souvenir, collectible, gift, or promotion

## 2. 3D Form & Finish

Silhouette, relief, and texture

## 3. References:

Front/side/perspective art and critical logos

## 4. Environment:

Display surfaces and handling conditions

## 8. Packing & Testing

Carded packs, assembly, and compliance criteria

## 6. Reverse Side

Magnet type, branding, and labels

## 7. Quantities:

Assortments and colorways

## 8. Packing & Testing:

Carded packs, assembly, and compliance criteria





# Securing the Commercial Commitment



Final technical and commercial commitments require all artwork and materials to be reviewed in tandem. Only request the final binding quotation after these parameters are locked.