

Acrylic Sheet and Finish Selection Discussion Guide

An A4 worksheet for merchandising, artwork, procurement and quality teams to compare six acrylic sheets, two additional finishes, pre-production samples, RFQ inputs, inspection and packing.



01 Clear	02 Holographic	03 Pearlescent	04 Cracked glass	05 Water ripple	06 Glitter
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Important: raised foil and stained-glass-style printing are additional specifications, not seventh and eighth sheet types. The four-sheet stained-glass compatibility rule in this guide is supplier-specific and must be reconfirmed for another factory.

Compare six acrylic sheets under the same conditions

Start with clear acrylic, then decide whether reflection, base tint, surface relief or embedded particles should become part of the design.

Sheet	Visual behavior	Best fit	Approval focus
Clear	Clean transparency	Standard charms and standees	White ink, print side, thickness, transparent windows
Holographic	Rainbow reflection changes with angle	Limited editions and reflective themes	Pattern code, direction, print interference
Pearlescent / cloud	Soft luster and milky base tint	Elegant, dreamy and pastel artwork	Sample code, base tint, translucency, pattern variation
Cracked glass	Angular prismatic highlights	Gem, ice and geometric concepts	Pattern scale, density and overlap with critical art
Water ripple	Relief refracts image and background	Water, ice and transparent concepts	Smooth/textured faces, printable side, relief depth
Glitter	Embedded particles sparkle as points	Festive, cute and night-sky concepts	Particle color, size, density and print coverage

Approve a material code, not a nickname

Names such as pearl, cloud, mica-look, cracked glass and ripple are not standardized across suppliers. Record the material name, sample code, color/pattern, thickness, printable face, stock status and substitute policy together with the physical sample.

01 Design priority	02 Viewing conditions
Rank print color, rainbow reflection, base tint, surface relief and particles.	Review under neutral, warm and natural light; use white, dark and backlit backgrounds.
03 Production control	04 Quotation control
Lock material code, SKU mapping, lot variation, substitute sheet and packing.	Keep finished size, quantity, printing, hardware, packing and inspection identical.

Raised foil and stained-glass-style printing

Specify the process, artwork layer, position and real sample after choosing the substrate.



Raised foil / metallic lettering
Approve foil color, gloss, side, target area, raised height, minimum line/gap, registration, rub resistance and clearance from holes and cut edges. Keep foil artwork on a separate single-color layer.



Stained-glass-style printing
Separate transparent color from white-backed opaque areas. Approve on white, dark and backlit backgrounds, and lock the print side, viewing side, material code and white-mask version.

Supplier-specific stained-glass compatibility

Sheet	Status	Approval focus
Clear	Supported	Transparent color, white ink and background
Glitter	Supported	Particles against transparent color and fine lines
Cracked glass	Supported	Prism pattern competing with color areas
Water ripple	Supported	Textured face, print face and transmitted distortion
Holographic	Not listed	Excluded from this supplied specification
Pearlescent / cloud	Not listed	Excluded from this supplied specification

Do not transfer this table to another factory without checking the sheet code, printing equipment, ink system and white-underbase design.

Convert the visual choice into controlled inputs

Use separate layers and compare suppliers on one common quotation basis.

Artwork layer checklist

Check	Item	Decision / notes
☐	Color artwork and intended viewing side	
☐	White underbase: full, spot or omitted areas	
☐	Transparent-color regions for stained-glass-style printing	
☐	Outer cut path and internal cutouts	
☐	Hole position, diameter and hardware clearance	
☐	Reverse-side artwork or second print side	
☐	Raised-foil artwork on a separate single-color layer	
☐	Factory template, scale, bleed and project-specific minimum-line rules	

RFQ checklist

Check	Item	Specification / supplier response
☐	Product format, finished size and thickness candidate	
☐	Total quantity, SKU count and quantity per SKU	
☐	Preferred material, sample code and acceptable substitute	
☐	Single/double-side printing, print direction and white underbase	
☐	Cut path, hole position, hardware or stand base	
☐	Raised foil or stained-glass-style printing requirements	
☐	Unit packing, backing card, SKU label and outer carton	
☐	Sales market, required documents, target date and inspection expectations	

Use the approved sample as the mass-production reference

Keep the physical sample and signed photos together. Record material codes by SKU to prevent sheet substitution or mixing.

Pre-production sample approval

Check	Item	Approved result / reference
☐	Material name, color, pattern and sample code	
☐	Finished size, thickness and cut shape	
☐	Front/reverse face and printing direction	
☐	Color artwork, white ink and transparent areas	
☐	Viewing light, background and angle	
☐	Hole position, hardware and stand fit	
☐	Scratches, edge quality, protective film and unit packing	
☐	Allowed pattern, particle, color and lot variation	

Mass-production inspection groups

Group	Typical checks	Project decision
Appearance	Scratches, bubbles, chips, color, transparent areas, pattern/particle distribution	Reference sample and viewing conditions
Dimensions	Finished size, thickness, cut path, hole location and edge condition	Drawing and agreed measurement method
Printing / finish	Color-to-white registration, transparent-color mask, foil position and adhesion	Artwork version and acceptable deviation
Function	Hardware assembly, stand fit, movement and normal handling	Product-specific functional check
Packing	Protective film, bag, backing card, SKU/JAN label, quantity and carton marks	Packing instruction and approved sample

Numeric tolerances, MOQ and lead time are project-specific. Confirm them against the actual sheet, process, equipment and product geometry instead of copying generic figures.

Material selection and quotation discussion

Complete this page during the internal review or supplier call, then attach it to the artwork and approved-sample record.

Field	Confirmed information / open question
Project / license	
Product format	
Finished size / thickness	
Total quantity / SKU split	
Primary material / sample code	
Alternative material / sample code	
Printing and white-underbase plan	
Additional finish	
Hardware / stand base	
Unit packing / label / carton	
Sample approval owner / date	
Target delivery / destination	

Decision summary / remaining risks