



KYDEX® FST CLR with KASIGLAS® PC Flex

Introducing a new collaboration:
KYDEX® FST CLR with KASIGLAS® PC Flex.

The KASIGLAS® specially formulated coating over KYDEX® FST CLR provides resistance to abrasion, chemicals, and impact all while maintaining top optical quality.

- Abrasion resistant
- Shock & Impact resistant
- Chemical resistant
- Top optical quality



Physical Properties *Flammability and other requirements*



FLAMMABILITY

KASIGLAS® coating does not affect KYDEX® FST CLR material flammability

	VB After Flame	Drip Burn	Burn Length	Peak HR	Total HR	SD
KYDEX® FST CLR 1.5mm	0.9	0	1.4	8.4	3.2	8.7
KYDEX® FST CLR 1.5mm+ KASIGLAS® HC2	3	0	1.4	15.3	8.1	5.5
KYDEX® FST CLR 2.0mm	2.3	0	0.9	15.4	5.2	8.4
KYDEX® FST CLR 2.0mm+ KASIGLAS® HC2	0	0	1.3	17.9	7.6	16
KYDEX® FST CLR 3.0mm	0	0	1.1	34.4	13.5	9.3
KYDEX® FST CLR 3.0mm+ KASIGLAS® HC2	1.2	0	0.9	27.3	1.6	23



CHEMICAL STAIN RESISTANCE

Reagent	Resistant
Acetone, 100%	■
Ammonia, 25%	■
Acetic acid, 100%	■
Butyl acetate, 100%	■
Citric acid, 95%	■
Dichloromethane, 100%	
Ethanol, 100%	■
Ethyl acetate, 100%	■
Formaldehyde, 37%	■
Milling Oil, 100%	■
Glass Cleaner, 100%	■
Isopropanol, 100%	■

Reagent	Resistant
Potassium hydroxide, 40%	■
Methyl ethyl ketone, 100%	■
Sodium hydroxide, 40%	■
Nitro thinner, 100%	■
Phosphoric acid, 85%	■
Nitric acid, 65%	■
Hydrochloric acid, 32%	■
Sulfuric acid, 98%	
Sulfuric acid, 85%	■
Special benzine, 100%	■
Toluene, 100%	■
Water, 100%	■

Questions?

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[kydex.com](https://www.kydex.com)

Fabrication *Mechanical and surface characteristics*

MECHANICAL PROPERTIES

KASIGLAS® manufactures the final parts. Depending on the part geometry, it may require forming before coating or after coating. This is evaluated on a case-by-case basis and confirmed by KASIGLAS®.

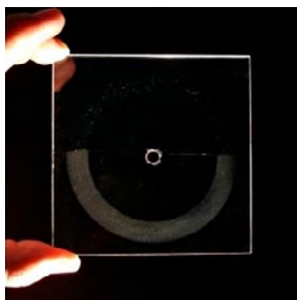
Note: Coated sheets can be drape formed after coating.

DESIGN BEND RADIUS GUIDELINES

Smallest Bending Radius

1.5mm	6 mm 900 mm
2.0mm	8 mm 1.200 mm
3 mm 450 mm	10 mm 1.500 mm
4 mm 600 mm	12 mm 1.800 mm
5 mm 750 mm	

Physical & Mechanical Properties



	Standard	KYDEX® FST CLR + KASI HC
Abrasion (Taber-process 500 rotations; CS-10F; 500g)	ISO 9352	<= 8% Delta Haze
Thickness of Hard Coating Layer		4-9 um
Adhesive properties 0,5/1,0/2,0 h boiling period at 95°C	ISO 2409	GT 0/0/0

HAZE

	Delta Haze % AVG 100 Rev	Delta Haze % AVG 500 Rev
KYDEX® FST CLR 1.5mm + KASIGLAS® HC	3.1	4.7

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Q&A

SUSTAINABILITY

Can KYDEX® FST CLR + Kasi HC2 be recycled?

Yes, there will not need to be a separate recycle stream for KYDEX® FST CLR with or without the hard coating.

CUSTOMIZATION

Is KYDEX® FST CLR + Kasiglas® available in custom colour?

Yes, custom colour and finish options are available.

Infused Imaging™

Can Infused Imaging™ technology be incorporated after the material has been hard coated?

No.

Questions?

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