

  
Trust TPRS to explore Glass  
TPRS GLASS (SINCE 2005)

# TPRS ECOSAFE

**INSULATE & SAVE ENERGY**



**DOWSIL QUALITY BOND CERTIFIED PROCESSOR**



# TPRS - QSPI

QUALITY SERVICEABILITY PROFESSIONALISM INNOVATION

We are a trusted Architectural, Automobile, Elevator and Escalator Glass solutions provider in India. We hold maximum market share in Automobile OE Segment, Architectural Segment, Interior Segment and Elevator segment. We also export Automobile and Architectural glasses to UAE, UK, African and Asian countries.

TPRS is a 1000+ member family and we specialise in toughened safety glass, laminated safety glass, screen printed safety glass, digitally printed safety glass and insulated glasses for Architectural, Automotive Elevators and Escalators segment. We have obtained necessary certifications viz. ISO 9001 : 2015, E Marking, IATF 16949, COP, ISI 2553 Part I & II, CE Marking, AS 1288:2006, DOW Corning Quality Bond Certification.

We have established inhouse laboratories in which all the testings are conducted in line with required standards. We support rapid new product development, supply quality products and adhere to delivery commitments and we value our customer satisfaction which is a driving force in all walks of our development.



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TPRS GLASS (SINCE 2005)



# TPRS ECOSAFE SYNOPSIS

## INSULATED GLASS PORTFOLIO

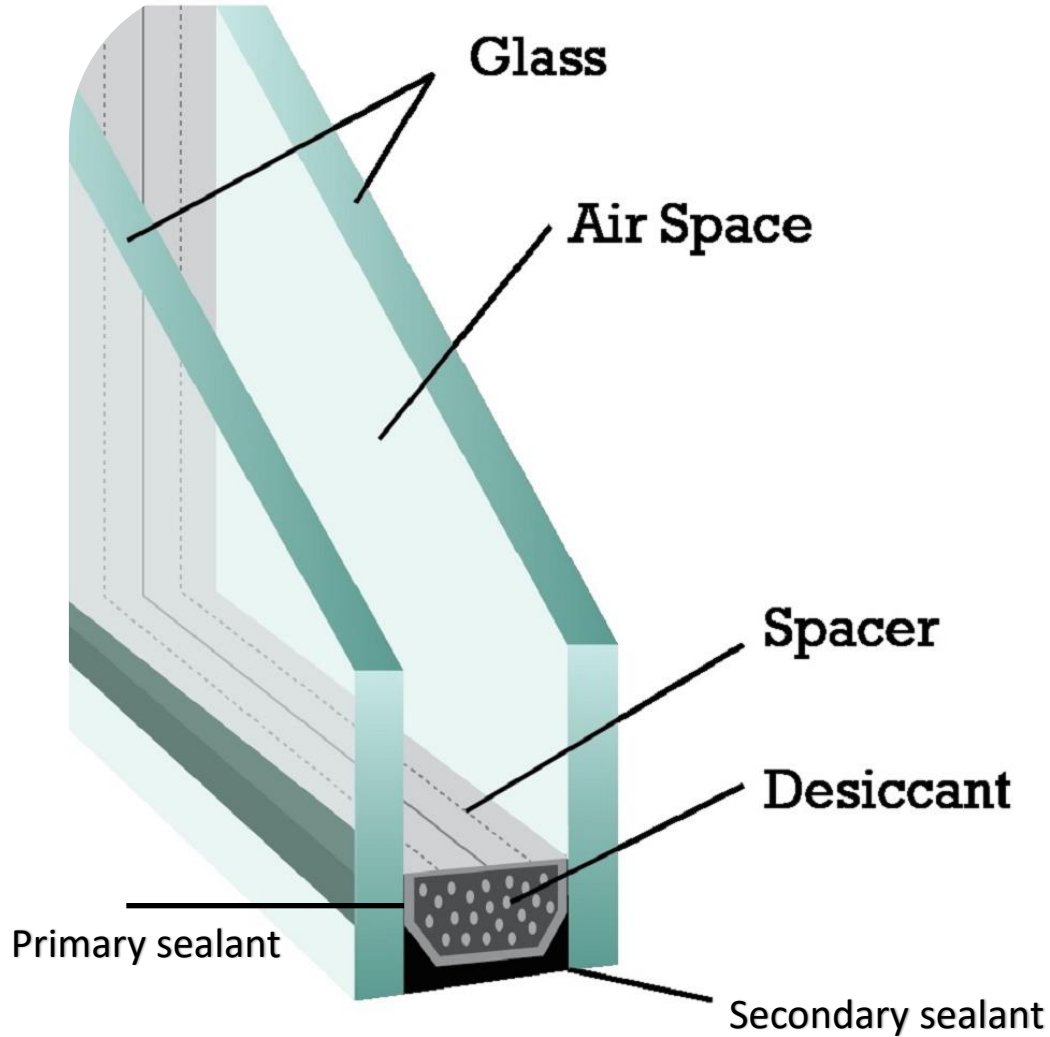
### SYNOPSIS

- Introduction
- Why TPRS GLASS
- Why TPRS ECOSAFE
- Product Portfolio
- Quality Assurance
- Project Portfolio



# INTRODUCTION

INSULATED GLAZED UNIT



## COMPONENTS OF IGU

Insulated glass is made using the following components



GLASS PANEL



SPACERBAR



PRIMARY SEALANT



SECONDARY SEALANT



DESICCANT



FILLING (ARGON / AIR)



# WHY TPRS GLASS

# WHY TPRS GLASS ?

SAINT GOBAIN ASSURED QUALITY








Trust TPRS to explore Glass

## FIRST SAINT GOBAIN CO-BRANDED COMPANY

### FIRST SAINT GOBAIN CO-BRANDED COMPANY

We are validated for entire range of performance glasses of Saint Gobain

TPRS holds all low E performance glass of Saint Gobain

-  Planitherm ( PLT )
-  Envision ( SKN )
-  Nano ( KT )
-  Xtreme
-  Nano Silver ( KS )

We have done projects in all above mentioned glasses

# WHY TPRS GLASS ?

DOWSIL QUALITY BOND CERTIFICATE



## DOWSIL QUALITY BOND

DOWSIL certifies the process of TPRS Glass

TPRS IGU is more durable

**ONLY SOUTH INDIAN PROCESSOR WITH DOWSIL QUALITY BOND CERTIFICATE**

# WHY TPRS ECOSAFE ?

## ADVANTAGES & BENEFITS



## FUNCTIONAL BENEFITS

Temperature difference between the inside and outside of the building is very less.

Insulated glass prevents direct contact of sun

## FACT ON IGU:

Using 1 SQM of TPRS ECOSAFE will save 1 Unit of electricity for 1 Day





# WHY TPRS ECOSAFE

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## INSULATED GLAZED UNIT

Innovative and wide range of products in IGU

Supreme quality with advanced cutting edge technologies

Certified processor of DOWSIL sealants

### ECO-FRIENDLY

Using IGU would save your spend on electricity

IGU provided thermal and winter comforts for your beautiful interiors

Wide range of Low E glass to suit your technical needs

Inhouse product and design development team to collaborate with you from concept to delivery

High technical quality with superior aesthetics

TPRS ECOSAFE is more durable



**PRODUCT  
PORFOLI  
O**

# PRODUCT PORTFOLIO

## SELECTION OF GLASS

### Greens

GLASS DETAILS			LIGHT FACTORS			ENERGY FACTORS		
COLOUR SHADE	BRAND	CODE	TRANSMISSION (%)	REFLECTION (%)		SOLAR FACTOR SHGC / SF	SHADING CO-EFFICIENT SC	U-VALUE (W/Sq.m K)
				EXTERNAL	INTERNAL			

Double Glazed Unit (outer: 6mm with coating Face 2 - 12mm Air Gap - inner 6mm Clear)

Emerald Glaze	Antelio Plus	ST 467	50	17	23	0.40	0.46	2.8
Deep Green	Cool Lite	ST 408	6	32	40	0.09	0.11	1.9
Aquamarine	Cool Lite	ST 420	15	24	30	0.18	0.20	2.6
Turquoise	Cool Lite	ST 436	28	17	23	0.26	0.30	2.7
Blue green	Cool Lite	ST 450	38	15	22	0.33	0.38	2.8
Mint Green	Planitherm	PLT TG	63	9	11	0.40	0.46	1.8
Green Aura	Evo	ET 425	21	21	15	0.18	0.21	2.0
Green	Evo Plus	ET 435 II	26	18	14	0.21	0.24	2.1
Green	Evolite	ET 450 II	38	12	17	0.30	0.35	2.6
Tropica Green	Nano	KT 440	31	17	12	0.22	0.25	1.8
Olive	Nano	KT 455	39	13	10	0.27	0.31	1.9
Citron Frost	Nano	KT 464	48	11	10	0.33	0.37	1.9
Echo	Nano Silver	KS 438 II	30	29	19	0.20	0.23	1.6
Celeste	Nano Silver	KS 446 II	35	24	19	0.23	0.26	1.6
Futura	Envision	SKN 444 II	33	15	12	0.20	0.23	1.6
Nebula	Envision	SKN 454 II	42	14	26	0.23	0.27	1.5
Supernova	Envision	SKN 465 II	50	12	17	0.27	0.31	1.5

### Blues

GLASS DETAILS			LIGHT FACTORS			ENERGY FACTORS		
COLOUR SHADE	BRAND	CODE	TRANSMISSION (%)	REFLECTION (%)		SOLAR FACTOR SHGC / SF	SHADING CO-EFFICIENT SC	U-VALUE (W/Sq.m K)
				EXTERNAL	INTERNAL			

Double Glazed Unit (outer: 6mm with coating Face 2 - 12mm Air Gap - inner 6mm Clear)

Blue Ray	Antelio Plus	ST 767	39	12	23	0.37	0.42	2.8
Blue Isle	Cool Lite	ST 708	5	21	40	0.09	0.11	1.9
Tranquil Blue	Cool Lite	ST 720	12	16	30	0.17	0.19	2.6
Titanium Blue	Cool Lite	STB 120	20	21	32	0.24	0.27	2.7
Blue Breeze	Cool Lite	ST 736	22	12	23	0.24	0.28	2.7
Royale Blue	Cool Lite	ST 750	30	11	22	0.30	0.35	2.8
Satin Blue	Planitherm	PLT TB	49	8	11	0.36	0.41	1.8
Orion Blue	Evo	ET 725	16	14	15	0.17	0.19	2.0
Blue	Evo Plus	ET 735 II	19	12	14	0.19	0.22	2.1
Blue	Evolite	ET 750 II	29	9	17	0.28	0.32	2.6
Twilight Blue	Nano	KT 740	24	12	12	0.20	0.23	1.8
Oxy Blue	Nano Blue	KB 130 II	25	21	22	0.22	0.26	1.7
Blue Frost	Nano Blue	KB 140 II	36	24	17	0.30	0.35	1.8
Misty Blue	Nano	KT 755	31	10	10	0.25	0.29	1.9
Blue Horizon	Nano	KT 764	37	8	9	0.30	0.34	1.9
Ultramarine	Nano Silver	KS 738 II	23	19	19	0.18	0.21	1.6
Lagoon	Nano Silver	KS 746 II	27	16	19	0.21	0.24	1.6
Lumosa	Envision	SKN 744 II	26	11	12	0.18	0.21	1.6
Quasar	Envision	SKN 754 II	32	10	26	0.20	0.24	1.5
Stellar	Envision	SKN 765 II	39	9	16	0.24	0.28	1.5

# PRODUCT PORTFOLIO

## SELECTION OF GLASS

### Neutrals

GLASS DETAILS			LIGHT FACTORS			ENERGY FACTORS		
COLOUR SHADE	BRAND	CODE	TRANSMISSION (%)	REFLECTION (%)		SOLAR FACTOR SHGC / SF	SHADING CO-EFFICIENT SC	U-VALUE (W/Sq.m K)
				EXTERNAL	INTERNAL			

Double Glazed Unit (outer: 6mm with coating Face 2 - 12mm Air Gap - inner 6mm Clear)

Sparkling Ice	Antelio Plus	ST 167	60	22	24	0.59	0.68	2.8
Platinum	Cool Lite	ST 108	7	44	39	0.10	0.11	1.9
Sterling Silver	Cool Lite	ST 120	18	32	30	0.21	0.25	2.6
Graphite	Cool Lite	ST 136	34	23	23	0.35	0.40	2.7
Dew drop	Cool Lite	ST 150	46	20	22	0.47	0.54	2.8
Pristine White	Planitherm	PLT T	75	12	12	0.57	0.66	1.8
Clear cosmos	Evo	ET 125	25	29	15	0.24	0.27	2.0
Clear	Evo Plus	ET 135 II	31	24	14	0.27	0.31	2.1
Clear	Evolite	ET 150 II	45	15	17	0.42	0.48	2.6
Icy menthol	Nano	KT 140	37	23	12	0.29	0.33	1.8
Moonshine	Nano	KT 155	47	17	11	0.38	0.43	1.9
Winter Mist	Nano	KT 164	57	14	10	0.47	0.54	1.9
Zephyr	Nano	KT 130 II	31	22	14	0.25	0.29	1.8
Shine	Nano Silver	KS 138 II	36	40	19	0.26	0.30	1.6
Chroma	Nano Silver	KS 146 II	42	33	19	0.30	0.34	1.6
Iris	Envision	SKN 144 II	40	20	12	0.24	0.27	1.6
Magma	Envision	SKN 154 II	50	18	26	0.28	0.32	1.5
Lumina	Envision	SKN 165 II	60	16	17	0.34	0.39	1.5
	Xtreme	70/33 II	69	11	13	0.33	0.38	1.5
	Xtreme	60/28 II	60	14	17	0.28	0.32	1.5
	Xtreme	50/22 II	47	16	18	0.21	0.25	1.5

Infinity range of products are manufactured in accordance with EN 1096 || Luminous and Solar Characteristics are determined as per EN 410 || Thermal Transmittance is determined as per EN 673.

### Blue Greens

GLASS DETAILS			LIGHT FACTORS			ENERGY FACTORS		
COLOUR SHADE	BRAND	CODE	TRANSMISSION (%)	REFLECTION (%)		SOLAR FACTOR SHGC / SF	SHADING CO-EFFICIENT SC	U-VALUE (W/Sq.m K)
				EXTERNAL	INTERNAL			

Single Glazed Unit (6mm thick, coating face 2)

Turquoise	Cool-Lite	ST 436	31	17	18	0.35	0.41	5.5
Blue green	Cool-Lite	ST 450	42	14	17	0.43	0.49	5.6

Double Glazed Unit (outer: 6mm with coating Face 2 - 12mm Air Gap - inner 6mm Clear)

Turquoise	Cool-Lite	ST 436	28	17	23	0.26	0.30	2.7
Blue green	Cool-Lite	ST 450	38	15	22	0.33	0.38	2.8

### Metals

GLASS DETAILS			LIGHT FACTORS			ENERGY FACTORS		
COLOUR SHADE	BRAND	CODE	TRANSMISSION (%)	REFLECTION (%)		SOLAR FACTOR SHGC / SF	SHADING CO-EFFICIENT SC	U-VALUE (W/Sq.m K)
				EXTERNAL	INTERNAL			

Single Glazed Unit (6mm thick, coating face 2)

Platinum	Cool-Lite	ST 108	8	44	38	0.14	0.16	3.6
Sterling Silver	Cool-Lite	ST 120	20	32	27	0.29	0.33	5.2

Double Glazed Unit (outer: 6mm with coating Face 2 - 12mm Air Gap - inner 6mm Clear)

Platinum	Cool-Lite	ST 108	7	44	39	0.10	0.11	1.9
Sterling Silver	Cool-Lite	ST 120	18	32	30	0.21	0.25	2.6

Infinity range of products are manufactured in accordance with EN 1096 || Luminous and Solar Characteristics are determined as per EN 410 || Thermal Transmittance is determined as per EN 673.

# PRODUCT PORTFOLIO

## IGU WITH BLINDS



## IGU WITH BLINDS

SAFETY

FLEXIBILITY

ADJUSTABLE PRIVACY

NO MAINTENANCE

CONTROLLED DAYLIGHTING

WIDE RANGE OF APPLICATIONS

Maximum Dimensions : 2.4m X 3m

(Blind thickness of 20mm, 24mm, 27mm, 29mm & 32mm)

# SPACE SAVING

## IGU



3 feet x 4.25 inch = 1 sq. feet

1 sq. feet x 30,000 / sq. Feet ( for commercial space )

For every window you save Rs. 30,000 worth of floor space

**SAVE YOUR SPACE**

Save you space and time for maintenance

# PRODUCT PORTFOLIO

## IGU WITH GEORGIAN BARS

### IGU WITH GEORGIAN BARS

AESTHETICAL APPEAL

NO MAINTENANCE

SECURITY



THICKNESS OF GEORGIAN BAR

Thumb rule : Spacer Thickness = Thickness of georgian bar

CURRENTLY AVAILABLE - 8MM THICKNESS

# PRODUCT PORTFOLIO

## IGU WITH LED



WARRANTY : 50,000 HRS  
3,00,000 times ON and OFF and still going  
LED is customizable based on application



## IGU WITH LED

- INNOVATIVE HOLOGRAM BETWEEN PANES
- EFFECTIVE WAY TO MARKET YOUR BRAND
- POWER CONSUMPTION AND LIGHT CAN BE CUSTOMIZED



# PRODUCT PORTFOLIO

## IGU WITH SLEEVES

### IGU WITH SLEEVES

Innovative IGU solution for bolting systems

Make your structure feel seamless



**MATERIALS OF SLEEVES : METAL AND PLASTIC FINISH**  
Thickness and diameter based on customer requirement

CURRENTLY AVAILABLE – 26mm, 30mm & 32mm

# PRODUCT PORTFOLIO

## CURVED IGU



### CURVED IGU

Curved IGU provides better heat transmission and seamless vision

Your innovation and creativity is limitless, just like our IGU

# PRODUCT PORTFOLIO

## TRIPLE LAYER IGU

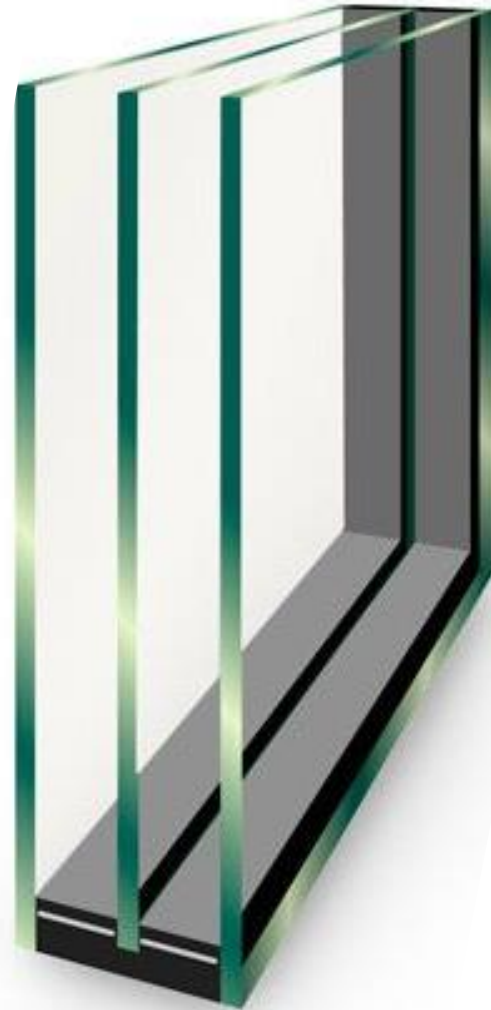
### TRIPLE LAYER INSULATION

Adding multiple layers adds multiple benefits

Increased thermal insulation

Increased security

Increased sound insulation



WE HAVE DONE UPTO 100mm  
THICKNESS  
BASED ON CUSTOMER REQUIREMENT

# PRODUCT PORTFOLIO

## INTRICATE SHAPED IGU



## INTRICATE SHAPED IGU

Shape is not a constraint at TPRS

Your creative design can be insulated without any constraint

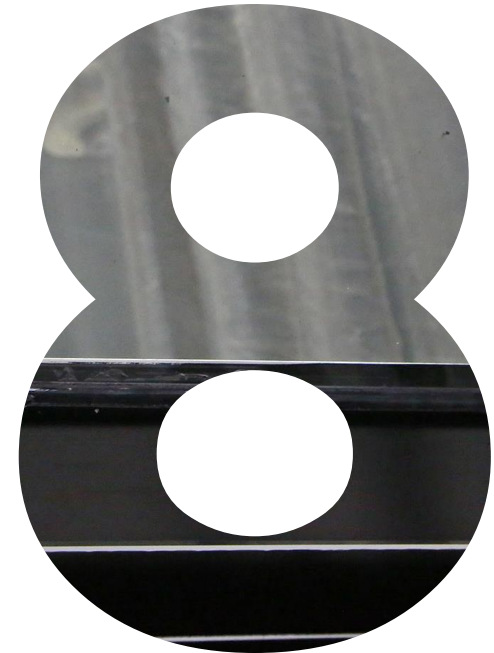
# PRODUCT PORTFOLIO

## STEP IGU

### STEP IGU

Innovative step glazing for  
your openable or special  
panels

Effective insulation and  
convenience



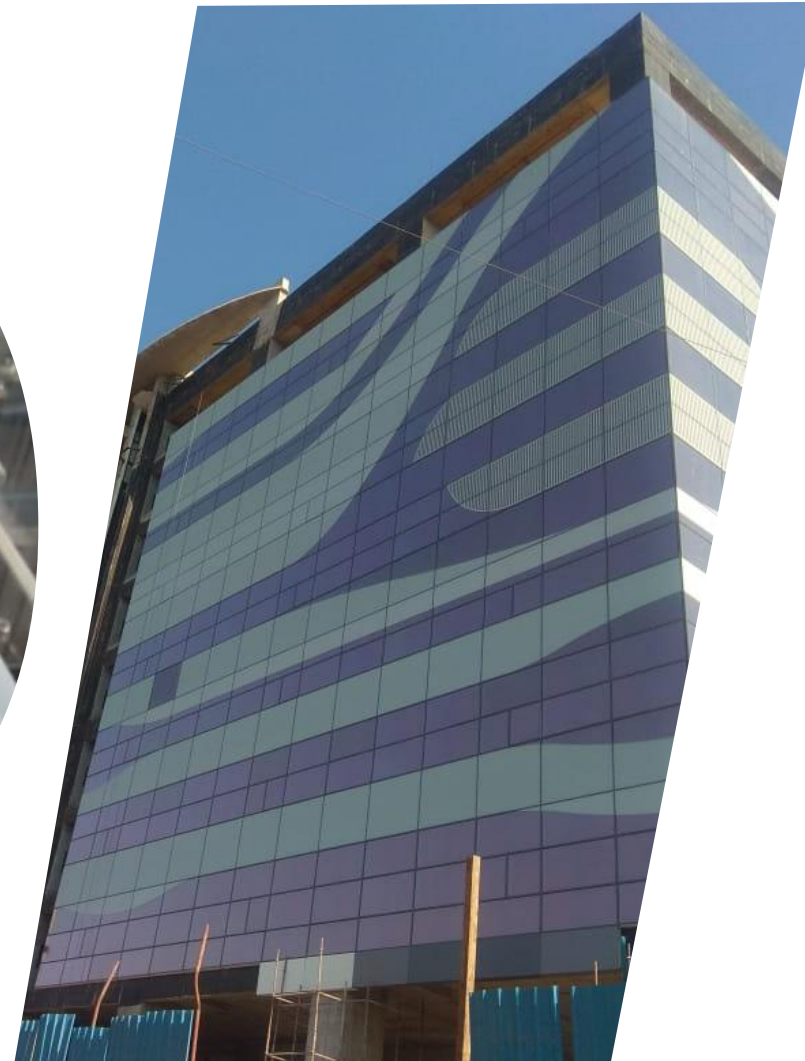
# PRODUCT PORTFOLIO

## PRINTED IGU

### PRINTED IGU

Attractive printed IGU to match your imagination and theme

Printed panels also add on functional benefits like reducing solar factor, U value and UV rays



# PRODUCT PORTFOLIO

## LAMINATED IGU

### LAMINATED IGU

Effective sound reduction

Safety and aesthetic appearance



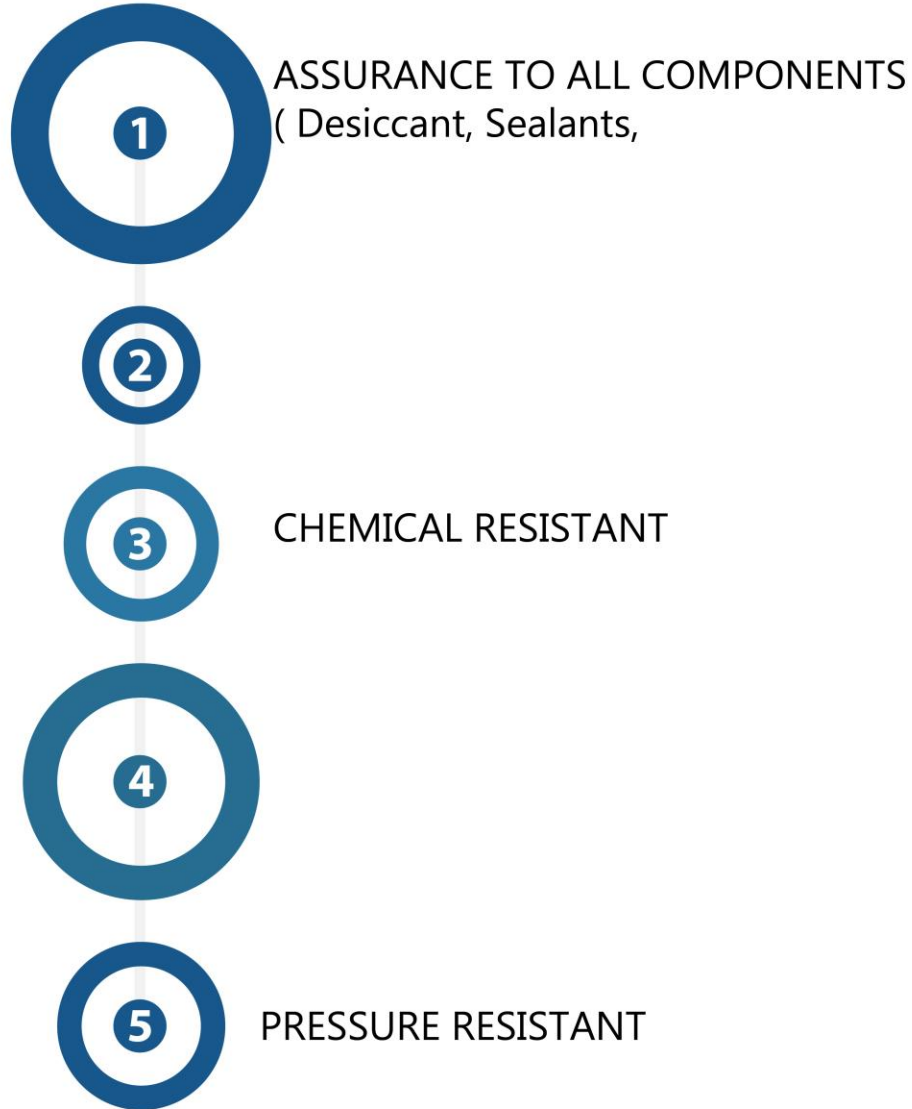


**QUALITY  
ASSURANCE**

**E**



# FROM VARIOUS TESTS TPRS ECOSAFE IS



FIRST SAINT GOBAIN CO-BRADED COMPANY

Only south indian processor with DOWSIL quality bond



We are certified under various Indian, European and Australian standards

# QUALITY ASSURANCE



# PROJECT PORTFOLIO



# NetApp, Bangalore

**SKN 144 IGU, KS 146 IGU**



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TPRS GLASS (SINCE 2005)

# HOTEL LEELA PALACE , CHENNAI

**SKN144 IGU PANELS**



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TPRS GLASS ( SINCE 2005 )

PROJECT OF TPRS GLASS

# INFOSYS, BHUBANESWAR

**SKN 454 IGU PANELS**



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TPRS GLASS (SINCE 2005)

PROJECT OF TPRS GLASS

PROJECT VOLUME : 5000 SQM

# PRESTIGE TRADE TOWER, BANGALORE

**KS 138 IGU PANELS**

PROJECT VOLUME : 8000 SQM

# MANTRI PINNACLE, BANGALORE

**KT 755 IGU PANELS**



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TPRS GLASS (SINCE 2005)

PROJECT OF TPRS GLASS

# ISRO , BANGALORE

**SKN 154 IGU PANELS**



Trust TPRS to explore Glass

TPRS GLASS ( SINCE 2005 )

PROJECT OF TPRS GLASS



# CONRAD , BANGALORE

**KS146 IGU PANELS**



Trust TPRS to explore Glass

TPRS GLASS ( SINCE 2005 )

PROJECT OF TPRS GLASS

# INFOSYS , THIRUVANANDHAPURAM

**SKN144 IGU PANELS**



Trust TPRS to explore Glass

TPRS GLASS ( SINCE 2005 )

PROJECT OF TPRS GLASS

# INFOSYS , JAIPUR

**SKN454 IGU PANELS**



Trust TPRS to explore Glass

TPRS GLASS (SINCE 2005)

PROJECT OF TPRS GLASS

Responsive to customer needs



Inhouse product and design development team



Always audit ready for vendor assessment



100 % quality  
We bring 25 years of safety glass expertise

Clear and transparent account statement



Easy access to all levels of people in management



Superior Finish  
High accuracy



Just In Time delivery  
Short lead time



Realtime support for post sales enquiry



Quick adaptability to any changes



Round the clock operations



Packaging to suit your needs

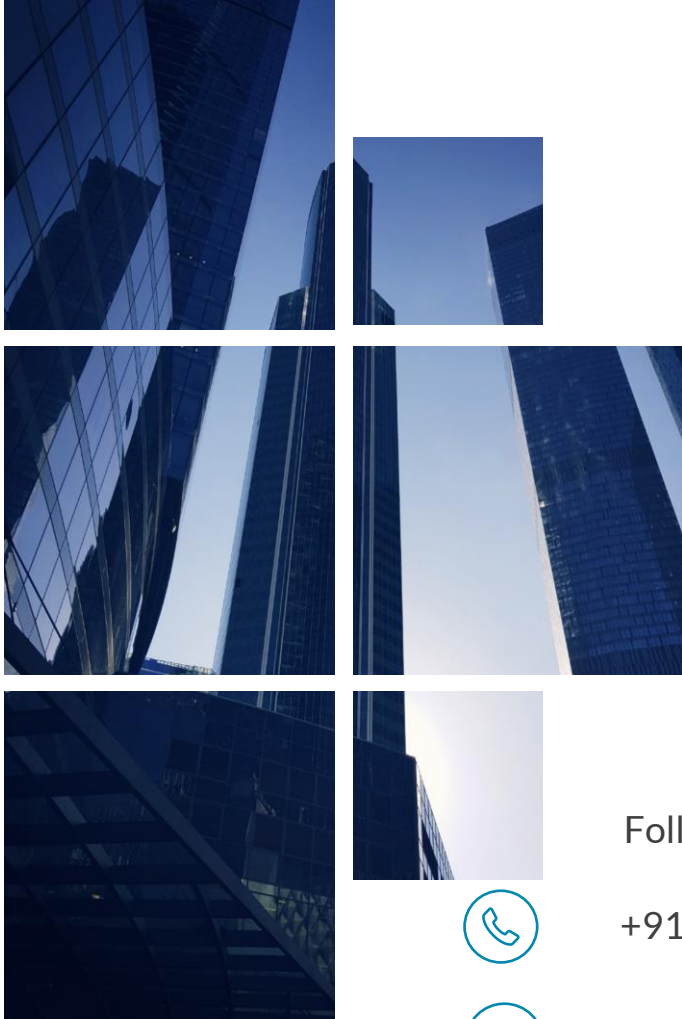


# WHY TPRS ?



# TRUST TPRS

to explore glass



## Currently Serving :

- Pondicherry
- Tamil Nadu
- Karnataka
- Kerala
- Maharashtra
- Goa
- Telangana
- Andhra Pradesh etc.

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Bahour Commune, Puducherry - 607402



www.tprsenterprises.in



## TPRS Values – QSPI

- Quality
- Serviceability
- Professionalism
- Innovation

We will be happy to assist you with the most trusted glass and fabrication suggestions