

**SAFETY
FIRST
SHARON
FIRST**



Best-in-class
protection to
limit spread of
fire & smoke



With



iamstrongest

iamsafest



Shown are the creative visualisations of Sharon Plywood with Firesave Technology. This results in containing spread of fire and conforms to standards - IS 5509, BS 476 Part 7 & ASTM E84 - giving people critical time to act in case of fire. Conditions Apply.

Sharon PlatinumPly and Sharon Gold with Firesave Technology.

In an unfortunate event of a fire, ordinary Plywood catches fire easily and aids in spreading the fire with bellowing smoke. This smoke is suffocating and usually hampers rescue operations.

Sharon Plywood now with Certified 'FIRE SAVE' Technology, with no additional cost provides you best in class protection against self disintegration due to fire, limiting the spread of fire and smoke generation. This delay in spreading of fire and generation of smoke provides the critical time to save lives and call for help.



sharon
GOLD
MARINE PLYWOOD

MANUFACTURED IN ACCORDANCE TO IS: 710	MARINE BWP GRADE
TYPE - AA	
PREPARED BY	
PLANT NO.	
QUANTITY CHECKED - OK	

kyoto PRO-TECH ROVER AND VERMITE PROOF

25 YEAR WARRANTY (CONDITIONS APPLY)

E1 EMISSION COMPLIANT

ASTM IS: 5509

VIRASAFE 99.99% VIRUS SAFE

FIRESAVE TECHNOLOGY

sharon
PLATINUM PLY
ELEGANCE FOREVER

IS: 710	
TYPE - AA	
BWP GRADE	
QUANTITY CHECKED - OK	

kyoto PRO-TECH ROVER AND VERMITE PROOF

25 YEAR WARRANTY (CONDITIONS APPLY)

E1 EMISSION COMPLIANT

ASTM IS: 5509

VIRASAFE 99.99% VIRUS SAFE

FIRESAVE TECHNOLOGY

● **What is Firesave Technology?**

This indigenously developed technology enables SharonPly to limit the spreading of fire effectively in an event of fire. It uses nano engineered particles which are embedded in the polymer matrix of plywood giving them best in class fire-fighting properties.

● **Did Firesave Technology undergo verification tests?**

The performance of Sharon PlatinumPly and Sharon Gold Marine Plywood enriched with Firesave Technology is superior under standard test condition to the benchmarks specified by Indian Standards IS 5509, American Standards ASTM E84 and British Standards BS 476 when measured against critical parameters like flammability, spread ability, penetration and smoke developed index. This makes this range of SharonPlywood the best-in-class, for limiting the ravages caused by fire.

● **How is the plywood treated with Firesave Technology is better than Ordinary plywood?**

Rapid ignition is a common feature of ordinary plywood. It also becomes a medium to spread fire while generating a lot of smoke which hinders rescue operations and can even suffocate people to death. Before one can realize and act, the raging fire causes irreparable losses, mental trauma and injuries.

SharonPlywood enriched with Firesave Technology is certified as the best in class by Indian, American and British Standards when measured against critical parameters like flammability, spread ability, penetration and smoke developed index. Thus it is best prepared to fight against self-disintegration due to fire, containing the spread of fire and smoke generation. This in turn helps rescue operations and gives customer critical time to act, save own and others' lives, call for fire brigade, ambulance etc. Once the source of fire is removed it also acts to self-extinguish the fire.

● **What are the benefits of using Firesave Technology Plywood?**

A fire accident can badly damage buildings, material, and businesses and even take lives. One of the main reasons for spread of fire in houses or offices is furniture. Firesave Technology increases the duration it takes for fire to spread to other items in the room and thus to other rooms.

An avoidable and unfortunate result of fire is death, due to asphyxiation caused by toxic gases and smoke emitted during a fire.

Thus, Firesave Technology by containing the spread of fire and toxic gas has the potential to save lives by giving crucial time for people to act appropriately in an unfortunate event of a fire.

● **Will there be extra charge to get SharonPlywood made with Firesave Technology?**

The Firesave Technology is currently being offered at no additional cost to customers. Currently Sharon PlatinumPly and Sharon Gold Marine Plywood are with Firesave Technology since April 2021.

● What are the parameters & standard measures used to evaluate Firesave Technology?

The parameters that need to be evaluated for fire retardant plywood are specified below and tested as per Indian Standard Code (IS 5509), American Society for Testing Material (ASTM E84) and British Standard (BS476 Part 7)

Parameters to Evaluate	What does the test measures
Flammability	The time by which a plywood which has caught fire starts a sequence of ignitions in the surrounding surface materials
Rate of Burning	The time taken for a plywood sheet to catch fire once a flame test is done when a flame starts to ignite a plywood sheet.
Flame Penetration	The time taken for a flame to penetrate a plywood sheet across the cross section of the thickness after a flame is lit on the plywood sheet

Name of Test	Time expected as per IS under test condition	Results of SharonPly products with Firesave Technology
Flammability	For a 19mm thick plywood should be a minimum of 30 min.	More than 30 minutes
Rate of Burning	For a 19mm thick plywood should be min 20 minutes.	More than 20 minutes
Flame Penetration	Minimum of 2.5times the thickness of plywood in minutes	Greater than 3 times the thickness of plywood in minutes

● Is there an implication that there is no need to call for help in case of a fire... when using Firesave Technology Plywood?

Not at all! One should call for help immediately. SharonPly earnestly requests everyone to be completely and continuously vigilant against all common lapses that cause fire and in case of an unfortunate incident of fire, to immediately take all necessary steps like saving themselves, loved ones, recovering important assets and immediately engage fire engines, ambulances, doctors, electricity, gas authorities or any other authorities if required, to stop the fire. Firesave Technology helps one to carry out the above by giving critical time to act and aid in rescue operations by curtailing the spread of fire and smoke generation.

● **Does the plywood undergo just a surface treatment with Firesave Technology?**

No, it is not a surface treatment. It is across the cross-section. The technology involves the use of nano engineered particles which are embedded in the polymer matrix of a plywood.

● **What is the effect of moisture on Plywood with Firesave Technology?**

SharonPlywood with Firesave Technology is non-hygroscopic in nature. This means that the plywood absorbs little or no moisture from the surroundings. This helps in retaining its structural integrity and properties

● **Does Firesave Technology have any warranty cover in-line with the product warranty?**

Firesave Technology is a special treatment and doesn't affect the functioning of the product. So, the existing standard warranty terms remain applicable.

● **Once a laminate surface is applied, will the Firesave Technology plywood still have Fire-retardant properties?**

The fire retardant properties remain not only with laminates but also with any surface polishes /paints or treatment.

● **Is there any health hazard if Firesave Technology plywood is used?**

No, it is not hazardous to human or animal health.

● **Which are the products of SharonPly have Firesave Technology?**

Currently Sharon PlatinumPly and Sharon Gold Marine Plywood are with Firesave Technology since April 2021.

● **What is the effect duration of Firesave Technology?**

Firesave Technology will work as long as the structural integrity of the product is maintained.

● **Will the same properties of a plywood apply with Firesave Technology?**

Yes, all the other properties of the plywood are retained.

