

PROJECT HIGHLIGHT

CASE STUDY



ENJOY AN OPEN BOAT EXPERIENCE WITH A CLEAR VIEW

OPEN BOATS FOR ALL WEATHER CONDITIONS!

These open boats are the perfect choice for almost any application used by emergency services, military, fire departments and leisure or fishing purposes. With these different scenarios in mind, the most durable, safest boat on the market is your top choice. The Polarcirkel Work boats have been designed to handle any and all weather conditions while remaining virtually maintenance free, so you can enjoy your time on the water worry-free.

SABIC Functional Forms and Astrup AS are proud to partner with Helgeland Plast AS in supporting them in creating robust, open sport boats that boast great design, quality build, flexibility, user-friendliness and remain low maintenance. Our solution, the LEXAN™ EXTRITE™ sheet, a transparent polycarbonate solid sheet with UV protection on both sides was chosen for its excellent weathering properties and its long lasting quality.

Featuring excellent impact and scratch resistance, it's the perfect choice for a variety of building and construction applications. With up to 90% light transmission, our LEXAN EXTRITE sheet was a perfect fit for the Polarcirkel Work boats, the best companion for an exciting ride anytime, anywhere.

LEXAN™
EXTRITE™
SHEET



BENEFITS



HIGH ABRASION RESISTANCE



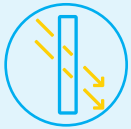
HIGH IMPACT STRENGTH
Up to 250 times stronger than glass



PASSED CORROSION TESTS
Neutral salt spray: ISO 9227:2017 /
DIN 50021 / ASTM B117



UNIQUE 15 YEAR LIMITED WARRANTY



TRANSPARENCY UP TO 90%



THERMOFORMABLE



UV-RESISTANCE



WEATHER RESISTANCE

OUR SOLUTION

Our LEXAN™ EXTRITE™ sheet boasts unique surface treatment for outdoor solutions and applications, especially in abrasion, scratch and weathering prone conditions. This protective layer has the ability to self-heal minor scratches, meaning you can repair small surface scratches that will heal back to their original state.

SELF-HEALING

Small scratches and other mishaps? No problem. The LEXAN™ EXTRITE™ sheet boasts a protective surface that can be healed at increased temperatures, such as from direct sunlight heat or using a hot air gun, to be set at a temperature of 130 °C (and max. 140 °C). More information about this process can be found on our processing guide, or you can contact your local SABIC representative to hear more.

MORE INFORMATION:

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