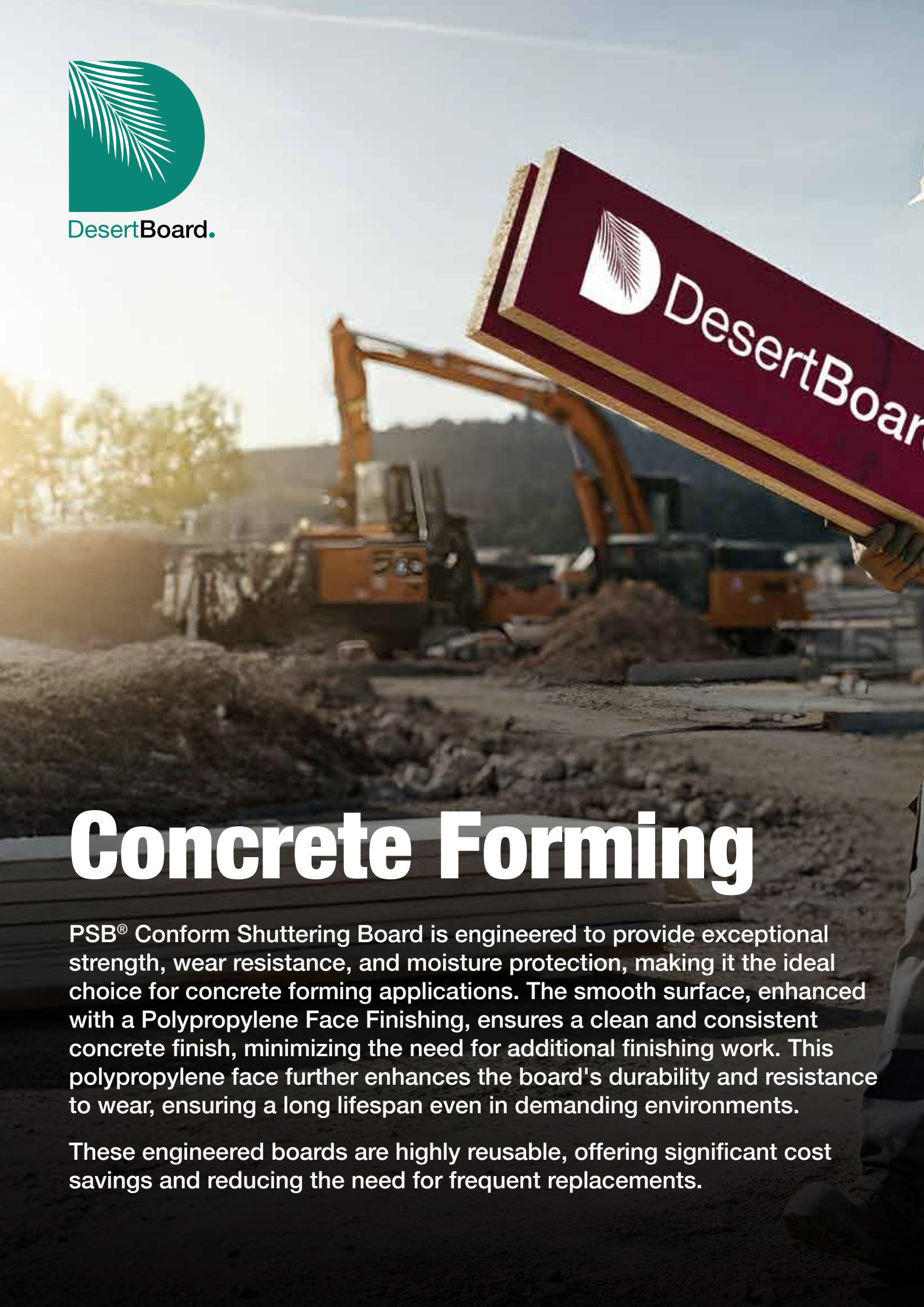
DesertBoard.



Concrete Forming

PSB® Conform Shuttering Board is engineered to provide exceptional strength, wear resistance, and moisture protection, making it the ideal choice for concrete forming applications. The smooth surface, enhanced with a Polypropylene Face Finishing, ensures a clean and consistent concrete finish, minimizing the need for additional finishing work. This polypropylene face further enhances the board's durability and resistance to wear, ensuring a long lifespan even in demanding environments.

These engineered boards are highly reusable, offering significant cost savings and reducing the need for frequent replacements.

WHY PSB® CONFORM?

- **PSB® Conform** is specifically designed for shuttering applications, providing robust support for heavy loads during the concrete pouring process, ensuring stability and security of formwork systems throughout construction. Its strong structural composition prevents deformation under the weight of fresh concrete.
- **PSB® Conform** is suitable for environments with high moisture exposure, minimizing the risk of thickness swelling.
- **PSB® Conform** offers exceptional durability, providing long-lasting performance even in demanding construction environments. Its resistance to wear and tear during the formwork process helps reduce maintenance costs and extend the lifespan.
- **PSB® Conform** is resistant to warping and deformation, making it ideal for challenging environments.
- **PSB® Conform** is ideal for creating reusable formwork for concrete pouring, enabling precise shaping and reducing waste in construction projects.
- **PSB® Conform** offers a cost-effective solution, being reusable up to 40+ times.
- **PSB® Conform** delivers standard performance with a modulus of elasticity of 3,500 Newtons per square millimeter (N/mm²) and a modulus of rupture ranging from 18 to 22 Newtons per square millimeter (N/mm²).

SPECIFICATIONS

Modulus of Rupture	18 – 22 N/mm2
Modulus of elasticity	3,500 N/mm2
Internal Bonding	0.13 to 0.17 N/mm²
Internal Bonding After boiling	20%
Thickness Swelling	12%
Width	1220 mm
Length	2440 mm
Thickness	12 – 25 mm

TYPES OF FINISHING

Polypropylene Face Finishing

BEST PRACTICES FOR PSB® CONFORM?

- Since the PSB® Conform will be exposed to moisture, the edges of the boards must be coated. In the case of resizing, the newly cut edges must also be coated.
- For components being fastened, such as beams, rafters, joists, and trusses, pre-drilling is essential. The diameter of the pre-drilled hole should be smaller than the screw diameter to ensure effective engagement of the screw threads.
- During transportation and storage, ensure that sufficient protective covers are provided to safeguard the PSB® Conform.
- Use screws, nails, or staples for fastening, ensuring the length is at least 2.5 times the thickness of the board, but no less than 75-50 millimeters (mm). Fastening should occur at intervals of 300-150 millimeters (mm) on intermediate supports (depending on roof pitch), every 150 millimeters (mm) on board joints, and every 100 millimeters (mm) along roof edges.
- Use an appropriate release agent to prevent concrete from sticking to the PSB® Conform and to improve the ease of formwork removal.

TECHNICAL DATA SHEET

PSB® CONFORM TESTINGS	TEST METHOD	UNIT	REQUIREMENT		
			BOARD THICKNESS RANGE (MM)		
			9 to 10	> 10 to 16	> 16 to 25
Bending strength - major axis	EN 310	N/mm²	22	20	18
Bending strength - minor axis	EN 310	N/mm²	11	10	9
Modulus of elasticity in bending - major axis	EN 310	N/mm²	3500	3500	3500
Modulus of elasticity in bending - minor axis	EN 310	N/mm²	1400	1400	1400
Internal bond	EN 319	N/mm²	0.50	0.45	0.40
Swelling in thickness - 24H immersion	EN 317	%	12	12	12
IB After Boiling test	EN 1087-1	N/mm²	0.17	0.15	0.13

ADDRESS

Al Talah Board Manufacturing Company Ltd.
KEZAD, Abu Dhabi, UAE
P.O. Box: 41543

PHONE & FAX

Tel.: +971 2 246 7042
Fax: +971 2 671 7933

ONLINE

Email: info@desertboard.ae
Website: www.desertboard.ae

MADE IN THE UAE

desertboard.ae