FUTAR

Natural Stones
Comparison Guidelines

PROPERTIES OF STONE

STONE TYPE	HARDNESS (MOHS SCALE)	POROSITY	SCRATCH RESISTANCE	STAIN RESISTANCE	ACID RESISTANCE
SOAPSTONE	2.5 - 3.5	●●●●●	●	●●●●●	●●●●●
DOLOMITE	3.5 - 4	●●●	●●●	●●●	●
MARBLE	3 - 4	●●●●●	●	●	●
LIMESTONE	3 - 4	●	●	●	●
ONYX	3 - 4	●●●	●	●	●
TRAVERTINE	3 - 4	●	●	●	●
SCHIST	4 - 5	●●●	●●●	●●●	●●●
SODALITE	5.5 - 6	●●●●	●●●	●	●
SLATE	5 - 6	●●●●	●●●●	●●●●	●●●
BASALT/VOLCANIC STONE	6 - 7	●●●●	●●●●	●●●●	●●●
GRANITE	6 - 7	●●●●●	●●●●	●●●●	●●●
SANDSTONE	6 - 7	●	●●●●	●●●	●●●
SEMI-PRECIOUS STONE	6 - 7 (varies by stone + resin)	●●●●	●●●●	●●●●	●●●
QUARTZITE	7 - 8	●●●●●	●●●●●	●●●●●	●●●●●

POROSITY PERFORMANCE

- ●○○○○ low porosity performance
- ●●●○○ moderately porous
- ●●●●○ somewhat porous
- ●●●●● high porosity performance

SCRATCH RESISTANCE

- ●○○○○ scratches easily
- ●●○○○ scratches with sharp tools
- ●●●○○ moderately resistant
- ●●●●○ scratch-resistant
- ●●●●● very scratch-resistant

STAIN RESISTANCE

- ●○○○○ highly prone to staining (requires sealing)
- ●●○○○ susceptible to staining
- ●●●○○ moderate stain resistance (seal recommended)
- ●●●●○ prone to absorbing oils/water
- ●●●●● naturally stain resistant when sealed

ACID RESISTANCE

- ●○○○○ low resistence / reacts to acids
- ●●●○○ mid resistence / mild etching possible
- ●●●●● high resistance / acid-resistant

Disclaimer: This guideline merely reflects general properties of each stone type. Variations in individual stones may affect suitability and there are excepting in each catergory. Application should be confirmed through material testing and professional assessment.

APPLICATION SUITABILITY

STONE TYPE	INTERIOR							EXTERIOR		
	COUNTERTOP		WALL		FLOOR			COUNTERTOP	WALL	FLOOR
					DRY					
	HIGH USAGE	LOW USAGE	DRY AREA	WET AREA	HIGH TRAFFIC	LOW TRAFFIC	WET AREA			
SOAPSTONE	●●●	●●●	●●●	●●●	●	●●●	●●●	●●●	●●●	●
DOLOMITE	●●	●●●	●●●	●●●	●	●●●	●●●	●●	●●●	●●●
MARBLE	●●	●●●	●●●	●●●	●●	●●●	●●●	●●	●●	●●
ONYX	●●	●●●	●●●	●●●	●	●●●	●●●	●	●	●
LIMESTONE	●●	●●●	●●●	●●	●●	●●●	●●	●	●●	●●
SCHIST	●●	●●●	●●●	●●	●●	●●●	●●	●●	●●●	●●
TRAVERTINE	●●	●●●	●●●	●●●	●●	●●●	●●	●●	●●	●●
SODALITE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
SLATE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
BASALT/ VOLCANIC STONE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
GRANITE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
SANDSTONE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
SEMI-PRECIOUS STONE	●●	●●●	●●●	●●●	●	●●●	●●●	●	●	●
QUARTZITE	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●

APPLICATION SUITABILITY

●●● EXTREMELY SUITABLE ●● MODERATELY SUITABLE ● MINIMALLY SUITABLE

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FUTAR

General Enquiries

T +65 6543 3818

E info@futar.com.sg

W futar.com.sg

Singapore Headquarters

19 Changi North Way
Singapore 498786

Malaysia headquarters

Lot 884, Jalan Selatan 8,
Kawasan Perindustrian
Selatan, 81300 Skudai,
Johor Bahru, Malaysia

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