

DALDORADO

DalLUX PORCELAIN TILE PRODUCT SPECIFICATION - (April, 2020)

A. DalLUX PORCELAIN TILE PRODUCT INFORMATION

- a. Daldorado DalLUX PORCELAIN TILES are manufactured for Daldorado, with exclusive rights for distribution in the USA, by Serapool Tile in Turkey, and have been supplied into over 85 countries worldwide for the swimming pool market since in 1987. All tiles are manufactured in accordance to IBC (International Building Code) conformance requirements.
- b. DalLUX PORCELAIN TILES proven track record and are a perfect fit to complement Daldorado DPAS, DPAR, DPE perimeter grate and DalLUX-STs, Stone/Tile Support system.

B. DalLUX PORCELAIN TILE

- a. **Porcelain** is the superior member of the ceramic family due to the higher quality of its components, and high temperature baking. The primary reason for choosing porcelain is that its water absorption capacity is about 0.03%. Excellent for cold weather, as water expands under freeze conditions. Most ceramic tiles have a 3.0% absorption rate. A vast, but important difference.
- b. **Features of Porcelain**
 1. Its structure is harder & more resistant to impacts, acids & alkali compared to ceramics
 2. It is not affected by temperature change due to low absorption capacity.
 3. The surface is not porous & therefore hygienic, free of germs & does not stain.
- c. **Technical Characteristics**

Characteristics	Test Standard	Necessary Requirements		DalLUX Standards	
		190 < S	410	190 < S	410
Dimensions: Length-Width					
Deviation of the average dimension of each tile from the working dimension (W), %	ISO 10545-2	± 0.75		± 0.6	
Deviation of the average dimension of each tile from the average dimension of 10 test sample, %	ISO 10545-2	± 0.5		± 0.4	
Physical Features					
Water Absorption %	ISO 10545-3	≤ 0.5		Max. 0.5	
Breaking Strength, N	ISO 10545-4				
Thickness ≥ 7,5 mm		Minimum 1300		1300	
Wearing Strength	ISO 10545-6			40	
Deep wearing strength of the glazed tiles:		Maximum 175 MM ³		95.8	
Thermal Shock Strength	ISO 10545-9	Required		Hard-wearing	
Cracking Strength: Glazed Tiles	ISO 10545-11	Required		Hard-wearing	
Frost Resistance	ISO 10545-12	Required		Hard-wearing	
Chemical Features					
Released Lead and Cadmium	ISO 10545-15			Lead: < 0.1 mg/dm ² / Cadmium: < 0.01 mg/dm ²	
Color Change After UV Rays				Stable	

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d. Slip Resistant Value (SRV) and Testing

Daldorado DalLUX Porcelain Tile is tested by NATA to HB198-AS4586 Appendix A, Wet Surface Pendulum Friction Tester (PFT) for surfaces wet with water when walked upon using Slider 55 (TRL Slider), endorsed by CTIOA (Ceramic Tile Institute of America) since 2001, with a CLASSIFICATION SRV of **P5 =>44**

INSTALLATION AND SURFACE PREPARATION

As per the project Architect/Engineer/Designer specifications and in accordance with ACI 302 and following Tile Council of North America installation methods P601 and B417.

Installation to be performed by an experienced tile installer, certified, licensed, and with current insurance, along with a current Membership in the NTCA (National Tile Contractors Association) and preferably who has received training through the Ceramic Tile Education Foundation (CTEF) or equal.

WARRANTY

Daldorado warrants DalLUX Porcelain Tile products will be free from defect for a period of 1-year from date of purchase and pro-rated for 10-years. Defect is defined as a shortfall in the product to perform to Daldorado DalLUX Porcelain Tile specifications as disclosed in product literature, within industry-allowable tolerances as set forth in standard, national industry protocols. **THIS 1-YEAR EXPRESS WARRANTY IS THE SOLE WARRANTY EXTENDED AND REPLACES ANY STATUTORY WARRANTIES TO THE MAXIMUM EXTENT ALLOWABLE BY LAW.** Customer misuse including negligence, physical, or chemical abuse is not covered by this warranty. Installation defects are not covered by this warranty. All warranty claims must be reported immediately. Failure to report any warranty claim within 30-days of defect discovery will void this warranty. All products must be inspected prior to installation. Visual defects or nonconformities apparent prior to installation voids this warranty.

REMEDY LIMITATION AND DISCLAIMER

If a defect in DalLUX-Tile materials or material workmanship is discovered within the 1-year warranty period, Daldorado will either refund the price of the product or provide a replacement product after a reasonable number of attempts to remedy product defects. Buyer's remedy is limited to replacement or repair of the defective product. No consequential (including, but not limited to, lost profits) or incidental damages are recoverable. Daldorado disclaims all express warranties not contained in this limited express warranty. Any representations made in connection with the sale of this product that differs from the terms of this warranty are not valid and should be brought to the attention of Daldorado immediately.

Phone: (888-509-8128).

TO MAKE A CLAIM

1. The original purchaser must notify a Daldorado or an authorized representative in writing within 30 days of the occurrence of any defect.
2. After notification, Daldorado or an authorized representative will inspect and/or test the product for defect and complete a Product Claim Action form. No claim will be honored without product inspection by Daldorado or an authorized representative.
3. Upon determination that the product defect claim is valid, Daldorado will notify the purchaser in writing. Daldorado reserves the right to repair, replace or refund the originally purchased product at its sole discretion.