
°C
°C
Al Maha
CERAMICS للسيراميك
BARID
Cool Tiles by Al Maha
Cool Indoors
Cool Outdoors
Provides Comfort
& Saves Electricity

EXTREME HEAT OUTSIDE

The radiations and heat of sunlight rapidly increases the temperature of the layers that the radiations penetrates through. Heat develops discomfort to people, and consumes higher energy to cool down.

Al Maha CERAMICS للسيراميك

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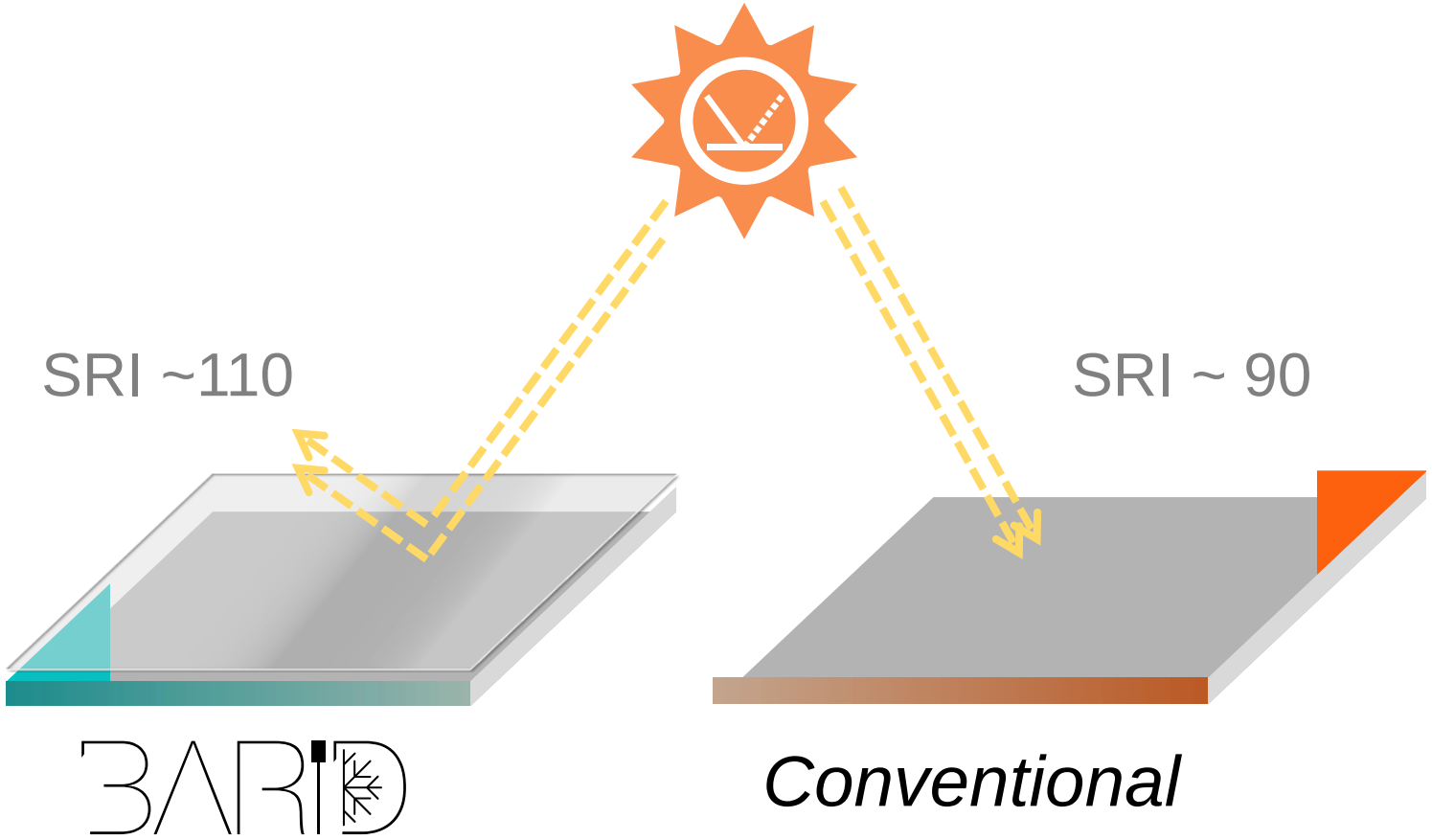
Cool Tiles by Al Maha



ENHANCED SOLAR REFLECTION WITH HIGH SRI

This special glaze developed by Al Maha Research & Development team provides Solar Reflective Index (SRI) of approximately 110.

BENEFITS OF

BARID

Solar Radiation Absorption is 50% less

Less absorption is cooler surface by 20%

Solar Reflective Index of approximately 110

More reflection is cooler surface by 20%

High Opacity Levels of 95%

More pure white for premium look

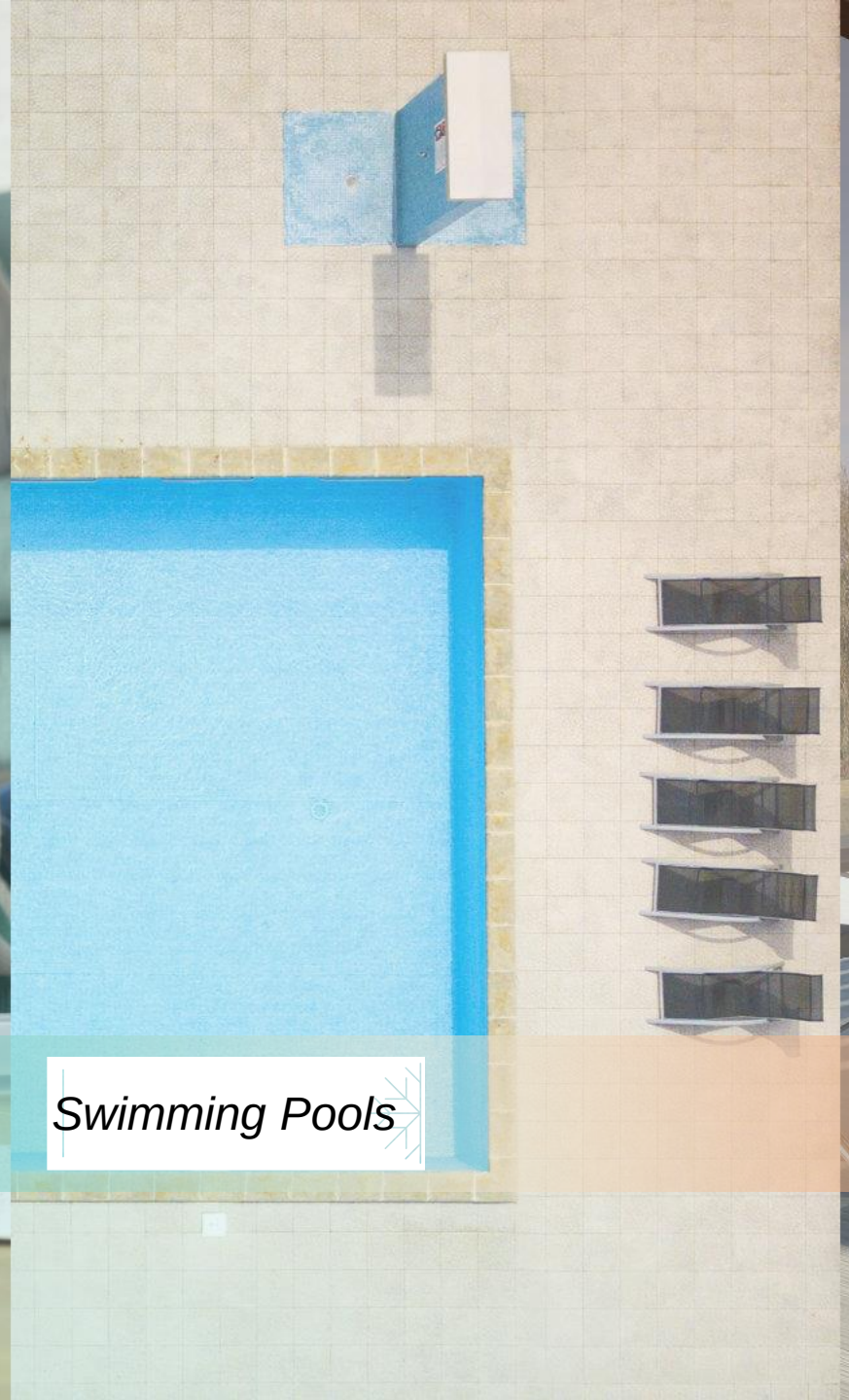
Thermal Comfort at Rooftop & Facades

Better energy efficiency by 11-20%

APPLICATIONS OF

BARID

Indoors & Rooms



Swimming Pools

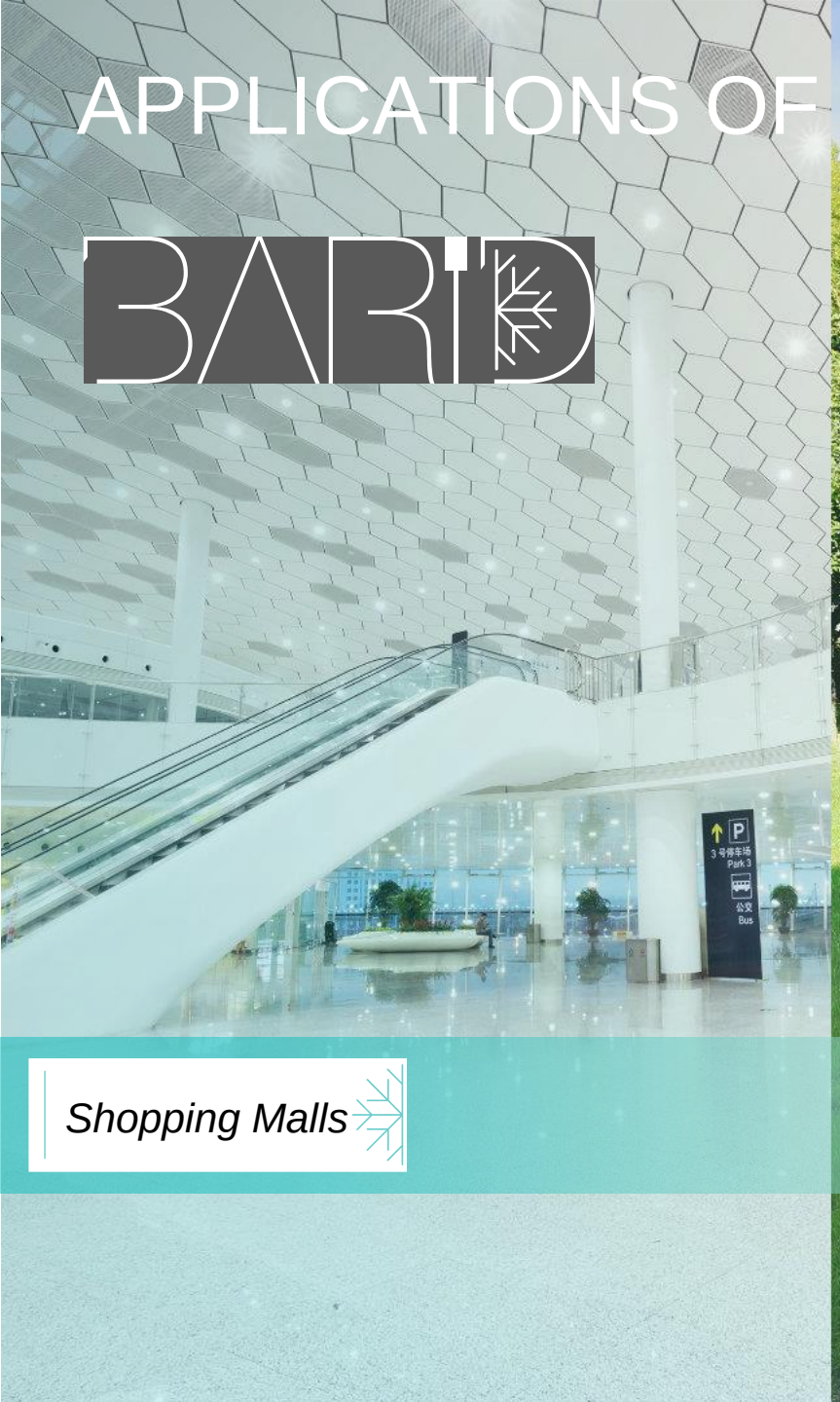
Offices & Halls

Al Maha CERAMICS للسـرامـيك

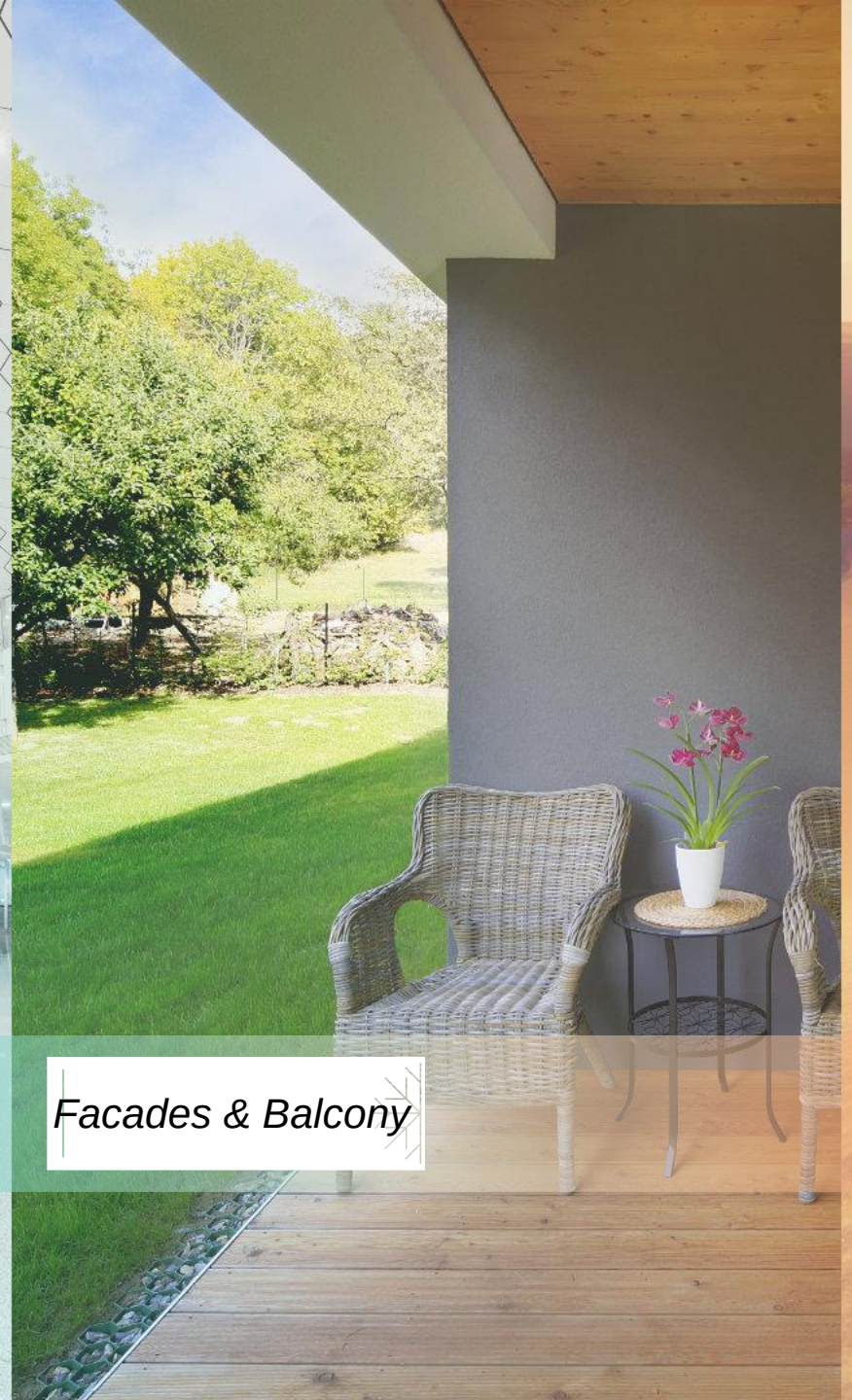
BARID

Temperature Retardant Tile by Al Maha

APPLICATIONS OF BARID



Shopping Malls



Facades & Balcony

Extreme Conditions

Al Maha CERAMICS للسيراميك

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Temperature Retardant Tile by Al Maha

LAB TESTS OF BARID

Solar Radiation Absorption is 50% less
Less absorption is cooler surface by 20%

Solar Reflective Index of approximately 110
More reflection is cooler surface by 20%

Wimpey Laboratories LLC

LABORATORY REPORT

Al Maha Ceramics SAOG
P.O. Box: 462, Postal Code: 322
Falaj Al Qabail, Sohar, Sultanate of Oman.

Report No: WAM18-0703/01
Sample No: WAM18-0708/01
Date of Report: 13/10/2018

Introduction: Further to the request received from M/s. Al Maha Ceramics SAOG dated 08th October 2018, the sample of Tile was tested for Chemical parameters.

Sample Type : Tile
Sample Identification : Al Maha Ceramic Glazed Tile: AMEX
Sample Received Date : 08/10/2018
Date Tested : 08/10/2018-13/10/2018
Tested By : VP/NK

Results of Analysis

Test	Method	Unit	Result
Solar reflectance	ASTM C 1549	%	76
Solar absorbance		%	24
Solar emissivity	ASTM C 1371	-	0.78

Solar Reflectance Index, SRI

Test method

SRI for wind condition (Low, Medium, High): ASTM E 1980-01

Condition	Low wind (0-2 m/s)	Medium wind (2-6 m/s)	High wind (6-30 m/s)
Convective coefficient, (W/(m²K))	8	12	30
Roof surface temperature (°C)	54.5	47.7	42.2
Solar reflectance index, SRI	88	92	93

Signed for and on behalf of Wimpey Laboratories

Sreejith M I
Laboratory Manager

info@wimpeylab.com, www.wimpeylab.com
ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified

Conventional

Wimpey Laboratories LLC

LABORATORY REPORT

Al Maha Ceramics SAOG
P.O. Box: 462, Postal Code: 322
Falaj Al Qabail, Sohar, Sultanate of Oman.

Report No: WAM18-0703/02
Sample No: WAM18-0708/02
Date of Report: 13/10/2018

Introduction: Further to the request received from M/s. Al Maha Ceramics SAOG dated 08th October 2018, the sample of Tile was tested for Chemical parameters.

Sample Type : Tile
Sample Identification : Al Maha Ceramic Glazed Tile: AMDCL-1
Sample Received Date : 08/10/2018
Date Tested : 08/10/2018-13/10/2018
Tested By : VP/NK

Results of Analysis

Test	Method	Unit	Result
Solar reflectance	ASTM C 1549	%	88
Solar absorbance		%	12
Solar emissivity	ASTM C 1371	-	0.75

Solar Reflectance Index, SRI

Test method

SRI for wind condition (Low, Medium, High): ASTM E 1980-01

Condition	Low wind (0-2 m/s)	Medium wind (2-6 m/s)	High wind (6-30 m/s)
Convective coefficient, (W/(m²K))	8	12	30
Roof surface temperature (°C)	43.9	41.0	38.9
Solar reflectance index, SRI	110	108	109

Signed for and on behalf of Wimpey Laboratories

Sreejith M I
Laboratory Manager

info@wimpeylab.com, www.wimpeylab.com
ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified

BARID

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Cool Tiles by Al Maha

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CERAMICS للسيراميك

THANK YOU

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Cool Outdoors
Provides
Comfort
& Saves
Electricity