

# Arock®

Composite material,  
result of research on  
the granulometric  
curves of the  
carbonates and on  
structural characteri-  
stics of viscosity and  
gelation of the poly-  
ester resins



## RESISTANCE

Alcohol  
no damage



Acetone  
no colour changes



Descaling  
no colour changes



Hydrochloric Acid  
no colour changes



Bleach  
obvious damage



In-house tests carried out at our facilities in Pavone Mella (BS) in a controlled environment with constant temperature at 21°

unalterable  
over time



soft touch  
effect



stain  
resistant



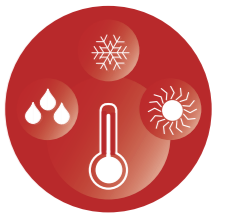
anti-bacterial



anti-slip surface B(A+B)  
DIN 51097:1992



resistant to  
temperature  
changes and UV rays



CARATTERISTICHE FEATURES

## Arock® sample tests

### Abrasion resistance

date 10/2018 - CATAS Prove, certificazione e ricerca  
Test report n° 259464/2 - EN 14688:2015 p.5.7

SAMPLE: «AROCK® SURFACES»

Equipment used: Abrasion tester Taber mod. 5151  
Load applied on the springs: 250 g  
Sandpapers: type S33 lotto Taber nr 73992  
Substitution sandpaper: every 100 rev.  
Number of revolutions: 750

#### RESULTS OF THE TEST:

After a visual assessment the abrasion does not cut across the Gelcoat layer  
The result of the test fulfill the minimum requirement

### Impact resistance

date 10/2018 - CATAS Prove, certificazione e ricerca  
Test report n° 259464/4 - ISO 4211-4:1988

SAMPLE: «AROCK® SURFACES»

Equipment used: Steel ball with diameter 14 mm and hardness Rockwell 60/66 HRC  
Magnifier with X7 magnification with graduated scale  
Cylindrical load with a mass of 500 +/- 5 g  
Conditioning period of the sample: 7 days  
Nr. 10 drops for each height of the test

#### RESULTS OF THE TEST:

The result of the test for each height is rating 5: no visible change (no damage)

ALTEZZA CADUTA mm DROP HEIGHT mm	Ø IMPRONTA mm Ø PRINT mm	VALUTAZIONE ASSESSMENT	OSSERVAZIONI REMARKS
10	/	5	Non si riscontrano difetti / No defects detected
25	/	5	Non si riscontrano difetti / No defects detected
50	/	5	Non si riscontrano difetti / No defects detected
100	/	5	Non si riscontrano difetti / No defects detected
200	/	5	Non si riscontrano difetti / No defects detected
400	/	5	Non si riscontrano difetti / No defects detected

## Test su campione Arock® - Arock® sample tests

### Resistenza ai micro-graffi - Resistance to micro-scratches

date 10/2018 - CATAS Prove, certificazione e ricerca  
Test report n° 259464/3 - CEN/TS 16611:2016

CAMPIONE: «SUPERFICI IN AROCK®»

#### Metodo A

Apparecchiatura utilizzata: Abrasimetro Martindale 902 W  
Temperatura e umidità di prova: 23±2° C / 50±5%  
Condizionamento provini: dal 12/10/2018 al 29/10/2018  
Materiale abrasivo: Scotch Brite 7448 + (ultra fine)  
Carico applicato: 6 N  
Cicli di prova: 80

RISULTATI DELLA PROVA - Variazione di Opacità (Gloss):

PROVINO NR TEST NR	OPACITA' INIZIALE - GLOSS INITIAL OPACITY - GLOSS		OPACITA' FINALE - GLOSS FINAL OPACITY - GLOSS		CAMBIAMENTO DI GLOSS % GLOSS CHANGE %
	geometria 60° geometry 60°	geometria 85° geometry 85°	geometria 60° geometry 60°	geometria 85° geometry 85°	
1	24,9	42,4	4,5	27,4	
2	19,5	40,1	3,9	24,6	
3	21,0	40,8	4,2	24,5	
media average	21,8	41,1	4,2	25,5	81 38

#### Metodo B

Apparecchiatura utilizzata: Abrasimetro Martindale 902 W  
Temperatura e umidità di prova: 23±2° C / 50±5%  
Condizionamento provini: dal 12/10/2018 al 29/10/2018  
Materiale abrasivo: Scotch Brite 7447 + (molto fine)  
Carico applicato: 6 N  
Cicli di prova: 80  
Nr osservatori: 3

RISULTATI DELLA PROVA - Valutazione visiva della quantità di graffi presenti sulla superficie:

PROVINO NR TEST NR	VALUTAZIONE VISIVA VISUAL ASSESSMENT	OSSERVAZIONI REMARKS
1	5	Deboli graffi appena visibili / Feeble scratches barely visible
2	5	Deboli graffi appena visibili / Feeble scratches barely visible
3	5	Deboli graffi appena visibili / Feeble scratches barely visible

SAMPLE: «AROCK® SURFACES»

#### Procedure A

Equipment used: Abrasion tester Martindale 902 W  
Temperature and umidity: 23±2° C / 50±5%  
Conditioning: from 12/10/2018 to 29/10/2018  
Abrasive material: Scotch Brite 7448 + (ultra fine)  
Applied load: 6 N  
Test cycles: 80

RESULTS OF THE TEST - Variation of Opacity (Gloss):

#### Procedure B

Equipment used: Abrasion tester Martindale 902 W  
Temperature and umidity: 23±2° C / 50±5%  
Conditioning: from 12/10/2018 to 29/10/2018  
Abrasive material: Scotch Brite 7447 + (molto fine)  
Applied load: 6 N  
Test cycles: 80  
Nr observers: 3

RESULTS OF THE TEST - Visual assessment of the quantity of scratches on the surface

# Arock® sample tests

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## Determination of Slipperiness

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**date 05/2017 - MODENA CENTRO PROVE**

**Test report n° 20173100/n - DIN 51097:1992**

**SAMPLE: «AROCK® SURFACE»**

*A person walks backwards and forwards barefoot across the surface to be tested, the inclination of which is increased by about 1° per second; the angle of inclination at which the person is no longer in conditions of safety is defined as the slip angle. The surface is wet continuously with a solution ( 1 g/l of wetting agent + water ).*

RESULTS OF SLIPPERINESS	
• Sample dimensions (length, width)	: 1x 0.5 (m)
• Width of joints	: //
• Groutig substance	: //
• D of profiles	: none
• SLIP ANGLE	: 19.2°
• CLASSIFICATION	: B(A+B)
CLASSIFICATION	
Total Average Values	Group Classification
< 12	0
≥ 12°	A
≥ 18°	B
≥ 24°	C