

Calcium Carbonate

Calcium carbonates are composed of the crystalline mineral, calcite, which occurs naturally in the form of chalk, marble or limestone. Chalk is usually finely textured and is relatively impure. Marble deposits are limestones changed by recrystallisation under conditions of extreme heat and pressure. In some cases, this natural process yields pure marble of exceptional whiteness, such as the famous deposits of Carrara in Northern Italy. Calcium carbonates are widely used as extenders in a variety of coatings.

IMERYS is a leading producer of high quality calcium carbonates and has production sites throughout the world.

Calcium Carbonate Properties

Specific Gravity	2.7
Refractive index	1.65/1.48 (birefringent)
Mohs hardness	3.0

All our products are backed-up by a high standard of technical service, product development and research from a team of highly experience scientists and industry specialists. Our aim is to work actively with our customers to develop new and unique solutions to their problems and technical challenges.

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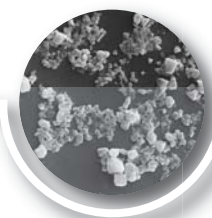
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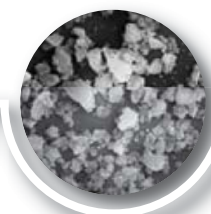
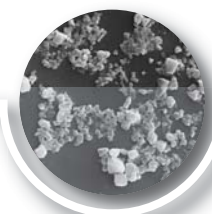
IMERYS

Products for Paint & Coatings Middle East

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PMP002/C/ME February 2009 - Second Edition

IMERYS Products for Paint & Coatings / Middle East



	TURKEY							TUNISIA								
	ImerCarb HC65G	ImerCarb 1G	ImerCarb 2XG	ImerCarb 2G	ImerCarb 3G	ImerCarb 5G	ImerCarb 10G	Feria 2	Feria 5	Feria 10	Feria 15	Feria 802	Feria 652	Feria 602	Feria 502	
WATER-BASED DECORATIVE	Gloss	●	●									●	●			
	Semi-gloss & Eggshell	●	●	●	●	●	●	●				●	●	●		
	Matt - Exterior	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Matt - Interior	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Undercoats	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
SOLVENT-BASED DECORATIVE	Gloss	●	●													
	Semi-gloss & Eggshell	●	●													
	Matt	●	●	●	●	●	●	●	●							
	Undercoats	●	●	●	●	●	●	●	●							
	Primers	●	●	●	●	●	●	●	●							
PROTECTIVE & OEM COATINGS	Metal Primers	●	●	●	●	●	●									
	Powder Coatings	●	●	●	●	●	●	●	●	●	●					
	Traffic Markings	●	●		●	●	●	●	●	●	●					
INK	Printing Ink	●														
TYPICAL PROPERTIES	Brightness ISO	94.5	94.5	95.0	94.0	94.0	93.0	93.0	90.0	89.0	87.0	86.0	94.0	93.5	92.5	93.0
	% + 10 microns	0.5	0.5	0.5	8.0	14.0	22.0	43.0	15.0	33.0	45.0	60.0	0.2	1.0	1.5	5.0
	% - 2 microns	60.0	52.0	40.0	32.0	27.0	22.0	15.0	28.0	19.0	15.0	12.0	81.0	67.0	60.0	42.5
	Mean Particle Size (d ₅₀)	1.6	1.9	2.6	3.6	4.0	5.3	8.6	4.0	7.0	9.5	13.0	0.9	1.5	1.7	2.5
	Oil absorption, g oil/100g	21	19	19	17	16	14	13	17	14	13	12	-	-	-	-

Product Information

ImerCarb HC65G & ImerCarb 1G

Fine particle size, high brightness calcium carbonates giving high whiteness, good gloss, TiO₂ spacing.

ImerCarb 2XG

A medium particle size, high brightness calcium carbonate giving high whiteness & good opacity.

ImerCarb 2G & 3G

Medium particle size, high brightness calcium carbonate for high whiteness.

ImerCarb 5G

Coarse particle size high brightness marble based calcium carbonate giving high whiteness and good opacity.

Feria 2

Fine particle size, high brightness calcium carbonate for good whiteness .

Feria 5

Medium particle size, high brightness calcium carbonate giving good matting properties.

Feria 10 & Feria 15

Coarse particle size, high brightness calcium carbonates giving excellent matting properties.

Feria 802

A fine particle size and excellent whiteness calcium carbonate 72% solids slurry, giving excellent brightness & opacity

Feria 652

A fine particle size, high brightness calcium carbonate 72% solids slurry, giving excellent opacity

Feria 602

A fine particle size, high brightness calcium carbonate 51% solids slurry, for good opacity

Feria 502

A medium particle size, high brightness calcium carbonate 72.5% solids slurry, for good opacity & good mechanical performance.

The data quoted are determined by the use of IMERYS Minerals Ltd Standard Test Methods, copies of which will be supplied on request. Every precaution is taken to ensure the products conform to our published data, but since the products are based on naturally occurring raw materials, we reserve the right to change these data should it become necessary. Sales are in accordance with our 'Conditions of Sale', copies of which will be supplied on request.

Key

- Recommended
- Can be used