

TECHNICAL DATA FILE

OF THE PRODUCT - PORCELAIN TABLEWARE

Version 1/2024

1. NAME OF THE PRODUCER

Polish Porcelain Factories „Ćmielów” & „Chodzież” Ltd.
Str. Ostrowiecka 45, 27-440 Ćmielów, Voivodeship Świętokrzyskie, Poland
Phone (+48)15 861 20 26 / info@porcelana.com.pl

2. PRODUCT DESCRIPTION

The products manufactured at the Polish Porcelain Factories ‘Ćmielów’ and ‘Chodzież’ Ltd., are high quality thin wall table porcelain for the home and porcelain accessories.
These are glazed, white, sintered ceramic products with absorbability of less than 0.2%, translucent in a thin layer, containing mainly vitreous substances, mullite and quartz.
Table porcelain is made from the natural, non-chemically modified minerals kaolin, feldspar and quartz.
Table porcelain products are fired in a temperature range of 1380 - 1400 °C

3. SCOPE OF APPLICATION

The porcelain tableware manufactured at PPF ‘Ćmielów’ & ‘Chodzież’ Ltd. is designed for contact with food products.

Hand wash

It is advisable to wash the porcelain with a mild detergent before first use. Porcelain is a material that can be damaged during washing and drying if it is handled incorrectly. Do not put too many plates in the water to avoid chipping or scratching them. Do not use sharp cleaners or rough cloths to wash porcelain, which can damage the glazed decorations, especially those containing gold or platinum.

The use of dishwashers

White porcelain (undecorated), coloured glazes and porcelain with underglaze and in-glaze decorations can be used in domestic and catering dishwashers.
Unless otherwise recommended by the manufacturer, porcelain products should not be subjected to dishwashing with on-glaze decorations, especially those containing gold or platinum.
When washing porcelain dishes in dishwashers, follow the instructions for use provided by the dishwasher manufacturer.

Microwave use

White porcelain (undecorated) and porcelain with underglaze, in-glaze or on-glaze decoration that does not include gold or platinum decoration may be used in microwaves. Unless otherwise recommended by the manufacturer, porcelain products decorated with metallic decorations (e.g. gold, platinum) should not be used in microwaves due to the possibility of arcing. If arcing occurs, the microwave should be switched off immediately.

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TECHNICAL PARAMETERS OF THE PRODUCTS

No.	Name of the test	Unit of measure	Requirements	Test results	Reference to the standards	Name of testing laboratory
1.	Lead and cadmium migration test (flatware)	mg/dm ²	Pb: ≤ 0,8 Cd: ≤ 0,07	Pb: < 0,04 Cd: < 0,002	PN-EN 1388-1:2000 PN-EN 1388-1:2000/Ap1:2002 (accreditation PCA)	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Kielcach www.qow.pl/wsse-kielce
2.	Lead and cadmium migration test (deep ware)	mg/l	Pb: ≤ 4,0 Cd: ≤ 0,3	Pb: < 0,1 Cd: < 0,02		
3.	Glaze abrasion	mg	< 100	39,2±0,8	BN-67/7001-04	
4.	Determination of bending strength and breaking force	–	–	Grade 5	PN-EN ISO 10545 – 4:2019-04 (accreditation PCA)	Instytut Ceramiki i Materiałów Budowlanych w Warszawie www.icimb.pl
5.	Whiteness	WI CIE	–	65,93 – 70,87	According to HunterLab's LabScan XE spectrophotometer manual	
6.	Resistance to mechanical cleaning (white products and products with underglazing and inglaze decorations)	–	–	150 cycles no visible changes	PN-EN 12875-1:2005	Laboratorium Technologiczne ZPS „Lubiana” S.A. www.lubiana.com.pl
		–	–	After 16 and 32 hrs, no visible changes	BS-EN 12875-4:2006 (accreditation UKAS)	CERAM United Kingdom www.ceram.com
7.	Water absorption	%	< 0,20	0,13	BS-EN 1217:1998, Method A (accreditation UKAS)	Laboratorium Technologiczne ZPS „Lubiana” S.A. www.lubiana.com.pl
				0,006 – 0,023	PN-EN 1217:2000, Method B	
8.	Shock resistance	°C	≥ 150	205 – 290	PN-EN 1183:2000	

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KRS: 0000041284, Sąd Rejonowy w Kielcach X Wydział Gospodarczy KRS
NIP: 764-000-15-26, REGON: 570064263, BDO: 000019066.
Kapitał zakładowy: 23 866 106,40 zł Opłacony w całości.



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9.	Resistance to fine fracture netting	°C	-	CRI: > 14 hrs	BS-EN 13258:2003, Method A (accreditation UKAS)	CERAM United Kingdom www.ceram.com
				CRI: 200 (°C) PLUS	PN-EN 13258:2003, Method B	
10.	Microwave heating resistance (products without gold and platinum decorative elements)	-	-	No damage	PN-EN 15284:2008	Laboratorium Technologiczne ZPS „Lubiana” S.A. www.lubiana.com.pl
11.	Handle temperature of microwave-heated dishes (short warm-up period 2 min. 11 sec.)	°C	< 56	45,3 – 49,5	PN-EN 15284:2008	
12.	Handle temperature of dish with hot liquid (10 mm from the attachment / in the middle section)	°C	< 55	38,9 – 48,1 /	Laboratory Instruction No 30	

*The data in this technical file is provided for information purposes only. The above information corresponds to the current state of knowledge about our products and their possible applications. It does not guarantee specific properties or suitability for use in specific conditions. Polish Porcelain Factory "Ćmielów" and "Chodzież" Inc. shall not be held liable for the consequences of the use of the porcelain products or for any loss or material or immaterial damage resulting from such use. The information contained in this document is subject to change, in accordance with our policy of continuous product improvement and the latest technical knowledge. The technical parameters of our porcelain products have been established on the basis of laboratory test results. It is the responsibility of the user to take all necessary measures to ensure that the porcelain products are used for their intended purpose.



Chief Technologist

Member of the Board / Technical and Production Director

Członek Zarządu
Dyrektor Techniczno-Produkcyjny

Piotr Suswał

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