

State of Idaho



Department of State.

CERTIFICATE OF QUALIFICATION OF FOREIGN CORPORATION

LOUIS E. CLAPP
I, ~~ARTHUR H. HARRIS~~, Secretary of State of the State of Idaho, and legal custodian of the corporation records of the State of Idaho, do hereby certify that

PPG INDUSTRIES, INC.

a corporation duly organized and existing under the laws of Delaware has fully complied with Section 10 Article II of the Constitution, and with Sections 30-501 and 30-502, Idaho Code, by filing in this office on the 12th day of September 19 66, a properly authenticated copy of its articles of incorporation, and on the 12th day of September 19 66, a designation of T. H. Eberle or
W. C. Roden in the County of Ada as statutory agent for said corporation within the State of Idaho, upon whom process issued by authority of, or under any law of this State, may be served.

AND I FURTHER CERTIFY, That said corporation has complied with the laws of the State of Idaho, relating to corporations not created under the laws of the State, as contained in Chapter 5 of Title 30, Idaho Code, and is therefore duly and regularly qualified as a corporation in Idaho, having the same rights and privileges, and being subject to the same laws, as like domestic corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Great Seal of the State. Done at Boise City, the Capital of Idaho, this 12th day of September, A.D. 19 66.

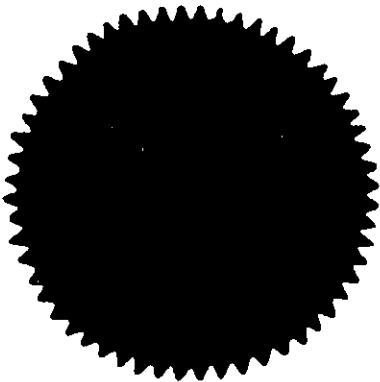
State of Delaware



Office of Secretary of State.

I, Elisha C. Dukes, Secretary of State of the State of Delaware,
do hereby certify that the above and foregoing is a true and correct copy of
Certificate of Incorporation of the "PPG INDUSTRIES, INC.", as received
and filed in this office the twenty-fifth day of August, A.D. 1966, at
10 o'clock A.M.

In Testimony Whereof, I have hereunto set my hand
and official seal at Dover this first day
of September in the year of our Lord
one thousand nine hundred and sixty-six.



Elisha C. Dukes

Secretary of State

A. L. Lums

Asst. Secretary of State

CERTIFICATE OF INCORPORATION OF

PPG INDUSTRIES, INC.

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FIRST. The name of the corporation is

PPG INDUSTRIES, INC.

SECOND. Its principal office in the State of Delaware is located at No. 100 West Tenth Street, in the City of Wilmington, County of New Castle. The name and address of its resident agent is The Corporation Trust Company, No. 100 West Tenth Street, Wilmington, Delaware 19899.

THIRD. The nature of the business, or objects or purposes to be transacted, promoted or carried on are:

To manufacture, buy, sell, install, and deal in goods, wares, and merchandise of all descriptions;

To mine, extract, quarry, drill, or bore for, produce, buy, and sell coal, limestone, sand, clay, gypsum, oil, ores, mineral salts, natural gas (sales to be made at the mouth of the well and at wholesale only), and other minerals and mineral substances;

To engage in building construction, as contractor or otherwise; and

To engage in research, engineering, and developmental work.

To manufacture, purchase or otherwise acquire, invest in, own, mortgage, pledge, sell, assign and transfer or otherwise dispose of, trade, deal in and deal with goods, wares and merchandise and personal property of every class and description.

To acquire, and pay for in cash, stock or bonds of this corporation or otherwise, the good will, rights, assets and property, and to undertake or assume the whole or any part of the obligations or liabilities of any person, firm, association or corporation.

To acquire, hold, use, sell, assign, lease, grant licenses in respect of, mortgage or otherwise dispose of letters patent of the United States or any foreign country, patent rights, licenses and privileges, inventions, improvements and processes, copyrights, trade-marks and trade names, relating to or useful in connection with any business of this corporation.

To acquire by purchase, subscription or otherwise, and to receive, hold, own, guarantee, sell, assign, exchange, transfer, mortgage, pledge or otherwise dispose of or deal in and with any of the shares of the capital stock, or any voting trust certificates in respect of the shares of capital stock, scrip, warrants, rights, bonds, debentures, notes, trust receipts, and other securities, obligations, choses in action and evidences of indebtedness or interest issued or created by any corporations, joint stock companies, syndicates, associations, firms, trusts or persons, public or private, or by the government of the United States of America, or by any foreign government, or by any state, territory, province, municipality or other political subdivision or by any governmental agency, and as owner thereof to possess and exercise all the rights, powers and privileges of ownership, including the right to execute consents and vote thereon, and to do any and all acts and things necessary or advisable for the preservation, protection, improvement and enhancement in value thereof.

To enter into, make and perform contracts of every kind and description with any person, firm, association, corporation, municipality, county, state, body politic or government or colony or dependency thereof.

To borrow or raise moneys for any of the purposes of the corporation and, from time to time without limit as to amount, to draw, make, accept, endorse, execute and issue promissory notes, drafts, bills of exchange, warrants, bonds, debentures and other negotiable or non-negotiable instruments and evidences of indebtedness, and to secure the payment of any thereof and of the interest thereon by mortgage upon or pledge, conveyance or assignment in trust of the whole or any part of the property of the corporation, whether at the time owned or thereafter acquired, and to sell, pledge or otherwise dispose of such bonds or other obligations of the corporation for its corporate purposes.

To loan to any person, firm or corporation any of its surplus funds, either with or without security.

To purchase, hold, sell and transfer the shares of its own capital stock; provided it shall not use its funds or property for the purchase of its own shares of capital stock when such use would cause any impairment of its capital except as otherwise permitted by law, and provided further that shares of its own capital stock belonging to it shall not be voted upon directly or indirectly.

To have one or more offices, to carry on all or any of its operations and business and without restriction or limit as to amount to purchase or otherwise acquire, hold, own, mortgage, sell, convey or otherwise dispose of, real and personal property of every class and description in any of the states, districts, territories or colonies of the United States, and in any and all foreign countries, subject to the laws of such state, district, territory, colony or country.

In general, to carry on any other business in connection with the foregoing, and to have and exercise all the powers conferred by the laws of Delaware upon corporations formed under the General Corporation Law of the State of Delaware, and to do any or all of the things hereinbefore set forth to the same extent as natural persons might or could do.

The objects and purposes specified in the foregoing clauses shall, except where otherwise expressed, be in nowise limited or restricted by reference to, or inference from, the terms of any other clause in this certificate of incorporation, but the objects and purposes specified in each of the foregoing clauses of this article shall be regarded as independent objects and purposes.

FOURTH. The total number of shares of stock which the corporation shall have authority to issue is one thousand (1,000) and the par value of each of such shares is One Dollar (\$1.00) amounting in the aggregate to One Thousand Dollars (\$1,000.00).

FIFTH. The minimum amount of capital with which the corporation will commence business is One Thousand Dollars (\$1,000.00).

SIXTH. The names and places of residence of the incorporators are as follows:

<u>NAMES</u>	<u>RESIDENCES</u>
B. J. Consono	Wilmington, Delaware
F. J. Obara, Jr.	Wilmington, Delaware
A. D. Grier	Wilmington, Delaware

SEVENTH. The corporation is to have perpetual existence.

EIGHTH. The private property of the stockholders shall not be subject to the payment of corporate debts to any extent whatever.

NINTH. In furtherance and not in limitation of the powers conferred by statute, the board of directors is expressly authorized:

To make, alter or repeal the by-laws of the corporation.

To authorize and cause to be executed mortgages and liens upon the real and personal property of the corporation.

To set apart out of any of the funds of the corporation available for dividends as reserve or reserves for any proper purpose and to abolish any such reserve in the manner in which it was created.

By resolution passed by a majority of the whole board, to designate one or more committees, each committee to consist of two or more of the directors of the corporation, which, to the extent provided in the resolution or in the by-laws of the corporation, shall have and may exercise the powers of the board of directors in the management of the business and affairs of the corporation, and may authorize the seal of the corporation to be affixed to all papers which may require it. Such committee or committees shall have such name or names as may be stated in the by-laws of the corporation or as may be determined from time to time by resolution adopted by the board of directors.

When and as authorized by the affirmative vote of the holders of a majority of the stock issued and outstanding having voting power given at a stockholders' meeting duly called for that purpose, or when authorized by the written consent of the holders of a majority of the voting stock issued and outstanding, to sell, lease or exchange all of the property and assets of the corporation, including its good will and its corporate franchises, upon such terms and conditions and for such consideration, which may be in whole or in part shares of stock in, and/or other securities of, any other corporation or corporations, as its board of directors shall deem expedient and for the best interests of the corporation.

TENTH. Meetings of stockholders may be held outside the State of Delaware, if the by-laws so provide. The books of the corporation may be kept (subject to any provision contained in the statutes) outside the State of Delaware at such place or places as may be designated from time to time by the board of directors or in the by-laws of the corporation. Elections of directors need not be by ballot unless the by-laws of the corporation shall so provide.

ELEVENTH. The corporation reserves the right to amend, alter, change or repeal any provision contained in this certificate of incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon stockholders herein are granted subject to this reservation.

WE, THE UNDERSIGNED, being each of the incorporators hereinbefore named, for the purpose of forming a corporation pursuant to the General Corporation Law of the State of Delaware, do make this certificate, hereby declaring and

certifying that the facts herein stated are true, and accordingly have hereunto set our hands and seals this 25th day of August A. D. 1966.

B. J. Consono (SEAL)
F. J. Obara, Jr. (SEAL)
A. D. Grier (SEAL)

State of Delaware }
County of New Castle } ss:

BE IT REMEMBERED that on this 25th day of August A. D. 1966, personally came before me, a Notary Public for the State of Delaware, B. J. Consono, F. J. Obara, Jr. and A. D. Grier, all of the parties to the foregoing certificate of incorporation, known to me personally to be such, and severally acknowledged the said certificate to be the act and deed of the signers respectively and that the facts therein stated are truly set forth.

GIVEN under my hand and seal of office the day and year aforesaid.

Harold K. [Signature]
Notary Public
NOTARY PUBLIC
APPOINTED
JUNE 23
1962
STATE OF DELAWARE