

Sol-Gel Coatings Market in France - Manufacturing and Consumption, Outlook and Forecast 2020-2026

<https://marketpublishers.com/r/SBAA910C153DEN.html>

Date: April 2020

Pages: 104

Price: US\$ 2,700.00 (Single User License)

ID: SBAA910C153DEN

Abstracts

A sol is a dispersion of the solid particles (~ 0.1-1 μ m) in a liquid where only the Brownian motions suspend the particles. A gel is a state where both liquid and solid are dispersed in each other, which presents a solid network containing liquid components.

The sol-gel coating process usually consists of 4 steps:

- (1) The desired colloidal particles once dispersed in a liquid to form a sol.
- (2) The deposition of sol solution produces the coatings on the substrates by spraying, dipping or spinning.
- (3) The particles in sol are polymerized through the removal of the stabilizing components and produce a gel in a state of a continuous network.
- (4) The final heat treatments pyrolyze the remaining organic or inorganic components and form an amorphous or crystalline coating.

This report contains market size and forecasts of Sol-Gel Coatings in France, including the following market information:

France Sol-Gel Coatings Market Revenue, 2015-2020, 2021-2026, (\$ millions)

France Sol-Gel Coatings Market Consumption, 2015-2020, 2021-2026, (K Gal)

France Sol-Gel Coatings Production Capacity, 2015-2020, 2021-2026, (K Gal)

Top Five Competitors in France Sol-Gel Coatings Market 2019 (%)

The global Sol-Gel Coatings market was valued at 12250 million in 2019 and is projected to reach US\$ 13220 million by 2026, at a CAGR of 1.9% during the forecast period. While the Sol-Gel Coatings market size in France was US\$ XX million in 2019, and it is expected to reach US\$ XX million by the end of 2026, with a CAGR of XX% during 2020-2026.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Sol-Gel Coatings manufacturers, suppliers, distributors and industry experts on the impacts of the COVID-19 pandemic on businesses, with top challenges including ingredients and raw material delays, component and packaging shortages, reduced/cancelled orders from

clients and consumers, and closures of production lines in some impacted areas.

This report also analyses and evaluates the COVID-19 impact on Sol-Gel Coatings production and consumption in France

Total Market by Segment:

France Sol-Gel Coatings Market, By Type, 2015-2020, 2021-2026 (\$ millions) & (K Gal)
France Sol-Gel Coatings Market Segment Percentages, By Type, 2019 (%)

Resin Coatings

Inorganic Coatings

France Sol-Gel Coatings Market, By Application, 2015-2020, 2021-2026 (\$ millions) & (K Gal)

France Sol-Gel Coatings Market Segment Percentages, By Application, 2019 (%)

Automotive

Construction

Electronics

Consumer Goods

Others

Competitor Analysis

The report also provides analysis of leading market participants including:

Total Sol-Gel Coatings Market Competitors Revenues in France, by Players 2015-2020 (Estimated), (\$ millions)

Total Sol-Gel Coatings Market Competitors Revenues Share in France, by Players 2019 (%)

Total France Sol-Gel Coatings Market Competitors Sales, by Players 2015-2020

(Estimated), (K Gal)

Total France Sol-Gel Coatings Market Competitors Sales Market Share by Players 2019
(\$ millions)

Further, the report presents profiles of competitors in the market, including the following:

3M

BASF SE

DowDuPont

Axalta Coating System

Chase Corporation

Solvay

KISCO

Henkel

MG Chemicals

Electrolube

Fuji Chemical

Nippon Soda

Idemitsu

Mitsubishi Materials

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 Sol-Gel Coatings Market Definition
- 1.2 Market Segments
 - 1.2.1 Segment by Type
 - 1.2.2 Segment by Application
- 1.3 France Sol-Gel Coatings Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 COVID-19 IMPACT: FRANCE SOL-GEL COATINGS OVERALL MARKET SIZE

- 2.1 France Sol-Gel Coatings Market Size: 2020 VS 2026
- 2.2 France Sol-Gel Coatings Revenue, Prospects & Forecasts: 2015-2026
- 2.3 France Sol-Gel Coatings Sales (Consumption): 2015-2026

3 COMPANY LANDSCAPE

- 3.1 Top Sol-Gel Coatings Players in France (including Foreign and Local Companies)
- 3.2 Top France Sol-Gel Coatings Companies Ranked by Revenue
- 3.3 France Sol-Gel Coatings Revenue by Companies (including Foreign and Local Companies)
- 3.4 France Sol-Gel Coatings Sales by Companies (including Foreign and Local Companies)
- 3.5 France Sol-Gel Coatings Price by Manufacturer (2015-2020)
- 3.6 Top 3 and Top 5 Sol-Gel Coatings Companies in France, by Revenue in 2019
- 3.7 France Manufacturers Sol-Gel Coatings Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Sol-Gel Coatings Players in France
 - 3.8.1 List of France Tier 1 Sol-Gel Coatings Companies
 - 3.8.2 List of France Tier 2 and Tier 3 Sol-Gel Coatings Companies

4 SIGHTS BY PRODUCT

4.1 Overview

4.1.1 By Type - France Sol-Gel Coatings Market Size Markets, 2020 & 2026

4.1.2 Resin Coatings

4.1.3 Inorganic Coatings

4.2 By Type - France Sol-Gel Coatings Revenue & Forecasts

4.2.1 By Type - France Sol-Gel Coatings Revenue, 2015-2020

4.2.2 By Type - France Sol-Gel Coatings Revenue, 2021-2026

4.2.3 By Type - France Sol-Gel Coatings Revenue Market Share, 2015-2026

4.3 By Type - France Sol-Gel Coatings Sales & Forecasts

4.3.1 By Type - France Sol-Gel Coatings Sales, 2015-2020

4.3.2 By Type - France Sol-Gel Coatings Sales, 2021-2026

4.3.3 By Type - France Sol-Gel Coatings Sales Market Share, 2015-2026

4.4 By Type - France Sol-Gel Coatings Price (Manufacturers Selling Prices), 2015-2026

5 SIGHTS BY APPLICATION

5.1 Overview

5.1.1 By Application - France Sol-Gel Coatings Market Size, 2020 & 2026

5.1.2 Automotive

5.1.3 Construction

5.1.4 Electronics

5.1.5 Consumer Goods

5.1.6 Others

5.2 By Application - France Sol-Gel Coatings Revenue & Forecasts

5.2.1 By Application - France Sol-Gel Coatings Revenue, 2015-2020

5.2.2 By Application - France Sol-Gel Coatings Revenue, 2021-2026

5.2.3 By Application - France Sol-Gel Coatings Revenue Market Share, 2015-2026

5.3 By Application - France Sol-Gel Coatings Sales & Forecasts

5.3.1 By Application - France Sol-Gel Coatings Sales, 2015-2020

5.3.2 By Application - France Sol-Gel Coatings Sales, 2021-2026

5.3.3 By Application - France Sol-Gel Coatings Sales Market Share, 2015-2026

5.4 By Application - France Sol-Gel Coatings Price (Manufacturers Selling Prices), 2015-2026

6 MANUFACTURERS & BRANDS PROFILES

6.1 3M

6.1.1 3M Corporate Summary

6.1.2 3M Business Overview

- 6.1.3 3M Sol-Gel Coatings Major Product Offerings
- 6.1.4 3M Sales and Revenue in France (2015-2020)
- 6.1.5 3M Key News
- 6.2 BASF SE
 - 6.2.1 BASF SE Corporate Summary
 - 6.2.2 BASF SE Business Overview
 - 6.2.3 BASF SE Sol-Gel Coatings Major Product Offerings
 - 6.2.4 BASF SE Sales and Revenue in France (2015-2020)
 - 6.2.5 BASF SE Key News
- 6.3 DowDuPont
 - 6.3.1 DowDuPont Corporate Summary
 - 6.3.2 DowDuPont Business Overview
 - 6.3.3 DowDuPont Sol-Gel Coatings Major Product Offerings
 - 6.3.4 DowDuPont Sales and Revenue in France (2015-2020)
 - 6.3.5 DowDuPont Key News
- 6.4 Axalta Coating System
 - 6.4.1 Axalta Coating System Corporate Summary
 - 6.4.2 Axalta Coating System Business Overview
 - 6.4.3 Axalta Coating System Sol-Gel Coatings Major Product Offerings
 - 6.4.4 Axalta Coating System Sales and Revenue in France (2015-2020)
 - 6.4.5 Axalta Coating System Key News
- 6.5 Chase Corporation
 - 6.5.1 Chase Corporation Corporate Summary
 - 6.5.2 Chase Corporation Business Overview
 - 6.5.3 Chase Corporation Sol-Gel Coatings Major Product Offerings
 - 6.5.4 Chase Corporation Sales and Revenue in France (2015-2020)
 - 6.5.5 Chase Corporation Key News
- 6.6 Solvay
 - 6.6.1 Solvay Corporate Summary
 - 6.6.2 Solvay Business Overview
 - 6.6.3 Solvay Sol-Gel Coatings Major Product Offerings
 - 6.6.4 Solvay Sales and Revenue in France (2015-2020)
 - 6.6.5 Solvay Key News
- 6.7 KISCO
 - 6.6.1 KISCO Corporate Summary
 - 6.6.2 KISCO Business Overview
 - 6.6.3 KISCO Sol-Gel Coatings Major Product Offerings
 - 6.4.4 KISCO Sales and Revenue in France (2015-2020)
 - 6.7.5 KISCO Key News

6.8 Henkel

- 6.8.1 Henkel Corporate Summary
- 6.8.2 Henkel Business Overview
- 6.8.3 Henkel Sol-Gel Coatings Major Product Offerings
- 6.8.4 Henkel Sales and Revenue in France (2015-2020)
- 6.8.5 Henkel Key News

6.9 MG Chemicals

- 6.9.1 MG Chemicals Corporate Summary
- 6.9.2 MG Chemicals Business Overview
- 6.9.3 MG Chemicals Sol-Gel Coatings Major Product Offerings
- 6.9.4 MG Chemicals Sales and Revenue in France (2015-2020)
- 6.9.5 MG Chemicals Key News

6.10 Electrolube

- 6.10.1 Electrolube Corporate Summary
- 6.10.2 Electrolube Business Overview
- 6.10.3 Electrolube Sol-Gel Coatings Major Product Offerings
- 6.10.4 Electrolube Sales and Revenue in France (2015-2020)
- 6.10.5 Electrolube Key News

6.11 Fuji Chemical

- 6.11.1 Fuji Chemical Corporate Summary
- 6.11.2 Fuji Chemical Sol-Gel Coatings Business Overview
- 6.11.3 Fuji Chemical Sol-Gel Coatings Major Product Offerings
- 6.11.4 Fuji Chemical Sales and Revenue in France (2015-2020)
- 6.11.5 Fuji Chemical Key News

6.12 Nippon Soda

- 6.12.1 Nippon Soda Corporate Summary
- 6.12.2 Nippon Soda Sol-Gel Coatings Business Overview
- 6.12.3 Nippon Soda Sol-Gel Coatings Major Product Offerings
- 6.12.4 Nippon Soda Sales and Revenue in France (2015-2020)
- 6.12.5 Nippon Soda Key News

6.13 Idemitsu

- 6.13.1 Idemitsu Corporate Summary
- 6.13.2 Idemitsu Sol-Gel Coatings Business Overview
- 6.13.3 Idemitsu Sol-Gel Coatings Major Product Offerings
- 6.13.4 Idemitsu Sales and Revenue in France (2015-2020)
- 6.13.5 Idemitsu Key News

6.14 Mitsubishi Materials

- 6.14.1 Mitsubishi Materials Corporate Summary
- 6.14.2 Mitsubishi Materials Sol-Gel Coatings Business Overview

- 6.14.3 Mitsubishi Materials Sol-Gel Coatings Major Product Offerings
- 6.14.4 Mitsubishi Materials Sales and Revenue in France (2015-2020)
- 6.14.5 Mitsubishi Materials Key News
- 6.15 Hong Yi
 - 6.15.1 Hong Yi Corporate Summary
 - 6.15.2 Hong Yi Sol-Gel Coatings Business Overview
 - 6.15.3 Hong Yi Sol-Gel Coatings Major Product Offerings
 - 6.15.4 Hong Yi Sales and Revenue in France (2015-2020)
 - 6.15.5 Hong Yi Key News

7 SOL-GEL COATINGS PRODUCTION CAPACITY, EXPORT AND IMPORT ANALYSIS

- 7.1 Sol-Gel Coatings Production Capacity and Value in France, Situation Analysis and Prediction, 2015-2026
 - 7.1.1 France Sol-Gel Coatings Production Capacity, 2015-2026
 - 7.1.2 France Sol-Gel Coatings Production 2015-2026
 - 7.1.3 France Sol-Gel Coatings Production Value 2015-2026
- 7.2 Key Local Sol-Gel Coatings Manufacturers in France
 - 7.2.1 France Key Local Sol-Gel Coatings Manufacturers Production Capacity
 - 7.2.2 France Key Local Sol-Gel Coatings Manufacturers Production
 - 7.2.3 France Key Local Sol-Gel Coatings Manufacturers Production Value
 - 7.2.4 The Proportion of Sol-Gel Coatings Production Sold in France and Sold Other Than France by Manufacturers
- 7.3 Sol-Gel Coatings Export and Import in France
 - 7.3.1 France Sol-Gel Coatings Export Market
 - 7.3.2 France Sol-Gel Coatings Source of Imports

8 COVID-19 IMPACT: KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

- 8.1 PESTLE Analysis for France Sol-Gel Coatings Market
- 8.2 Market Opportunities & Trends
- 8.3 Market Drivers
- 8.4 Market Restraints

9 COVID-19 IMPACT ON SOL-GEL COATINGS SUPPLY CHAIN ANALYSIS

- 9.1 Supply Chain Analysis

9.2 Upstream Market Analysis

9.3 Downstream and Clients Market Analysis

9.4 Marketing Channels Analysis

9.4.1 Marketing Channels

9.4.2 Sol-Gel Coatings Distributors and Sales Agents in France

10 CONCLUSION

11 APPENDIX

11.1 Note

11.2 Examples of Clients

11.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Key Players of Sol-Gel Coatings in France
- Table 2. Top Players in France, Ranking by Revenue (2019)
- Table 3. France Sol-Gel Coatings Revenue by Companies, (US\$, Mn), 2015-2020
- Table 4. France Sol-Gel Coatings Revenue Share by Companies, 2015-2020
- Table 5. France Sol-Gel Coatings Sales by Companies, (K Gal), 2015-2020
- Table 6. France Sol-Gel Coatings Sales Share by Companies, 2015-2020
- Table 7. Key Manufacturers Sol-Gel Coatings Price (2015-2020) (USD/Gal)
- Table 8. France Manufacturers Sol-Gel Coatings Product Type
- Table 9. List of France Tier 1 Sol-Gel Coatings Companies, Revenue (US\$, Mn) in 2019 and Market Share
- Table 10. List of France Tier 2 and Tier 3 Sol-Gel Coatings Companies, Revenue (US\$, Mn) in 2019 and Market Share
- Table 11. By Type - Sol-Gel Coatings Revenue in France (US\$, Mn), 2015-2020
- Table 12. By Type - Sol-Gel Coatings Revenue in France (US\$, Mn), 2021-2026
- Table 13. By Type - Sol-Gel Coatings Sales in France (K Gal), 2015-2020
- Table 14. By Type - Sol-Gel Coatings Sales in France (K Gal), 2021-2026
- Table 15. By Application - Sol-Gel Coatings Revenue in France, (US\$, Mn), 2015-2020
- Table 16. By Application - Sol-Gel Coatings Revenue in France, (US\$, Mn), 2021-2026
- Table 17. By Application - Sol-Gel Coatings Sales in France, (K Gal), 2015-2020
- Table 18. By Application - Sol-Gel Coatings Sales in France, (K Gal), 2021-2026
- Table 19. 3M Corporate Summary
- Table 20. 3M Sol-Gel Coatings Product Offerings
- Table 21. 3M Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)
- Table 22. BASF SE Corporate Summary
- Table 23. BASF SE Sol-Gel Coatings Product Offerings
- Table 24. BASF SE Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)
- Table 25. DowDuPont Corporate Summary
- Table 26. DowDuPont Sol-Gel Coatings Product Offerings
- Table 27. DowDuPont Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)
- Table 28. Axalta Coating System Corporate Summary
- Table 29. Axalta Coating System Sol-Gel Coatings Product Offerings
- Table 30. Axalta Coating System Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn)

and Average Price (USD/Gal) (2015-2020)

Table 31. Chase Corporation Corporate Summary

Table 32. Chase Corporation Sol-Gel Coatings Product Offerings

Table 33. Chase Corporation Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 34. Solvay Corporate Summary

Table 35. Solvay Sol-Gel Coatings Product Offerings

Table 36. Solvay Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 37. KISCO Corporate Summary

Table 38. KISCO Sol-Gel Coatings Product Offerings

Table 39. KISCO Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 40. Henkel Corporate Summary

Table 41. Henkel Sol-Gel Coatings Product Offerings

Table 42. Henkel Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 43. MG Chemicals Corporate Summary

Table 44. MG Chemicals Sol-Gel Coatings Product Offerings

Table 45. MG Chemicals Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 46. Electrolube Corporate Summary

Table 47. Electrolube Sol-Gel Coatings Product Offerings

Table 48. Electrolube Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 49. Fuji Chemical Corporate Summary

Table 50. Fuji Chemical Sol-Gel Coatings Product Offerings

Table 51. Fuji Chemical Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 52. Nippon Soda Corporate Summary

Table 53. Nippon Soda Sol-Gel Coatings Product Offerings

Table 54. Nippon Soda Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 55. Idemitsu Corporate Summary

Table 56. Idemitsu Sol-Gel Coatings Product Offerings

Table 57. Idemitsu Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 58. Mitsubishi Materials Corporate Summary

Table 59. Mitsubishi Materials Sol-Gel Coatings Product Offerings

Table 60. Mitsubishi Materials Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 61. Hong Yi Corporate Summary

Table 62. Hong Yi Sol-Gel Coatings Product Offerings

Table 63. Hong Yi Sol-Gel Coatings Sales (K Gal), Revenue (US\$, Mn) and Average Price (USD/Gal) (2015-2020)

Table 64. Sol-Gel Coatings Production Capacity (K Gal) of Local Manufacturers in France, 2015-2020

Table 65. Sol-Gel Coatings Production (K Gal) of Local Manufacturers in France, 2015-2020

Table 66. France Sol-Gel Coatings Production Market Share of Local Manufacturers, 2015-2020

Table 67. Sol-Gel Coatings Production Value (US\$, Mn) of Local Manufacturers in France, 2015-2020

Table 68. France Sol-Gel Coatings Production Value Market Share of Local Manufacturers, 2015-2020

Table 69. The Percentage of Sol-Gel Coatings Production Sold in France and Sold Other Than France by Manufacturers

Table 70. The Percentage of Sol-Gel Coatings Production Sold in France and Sold Other Than France by Manufacturers

Table 71. Dangeguojia Sol-Gel Coatings Sales (Consumption), Production, Export and Import, 2015-2020

Table 72. Raw Materials and Suppliers

Table 73. Sol-Gel Coatings Downstream Clients in France

Table 74. Sol-Gel Coatings Distributors and Sales Agents in France

List Of Figures

LIST OF FIGURES

- Figure 1. Sol-Gel Coatings Segment by Type
- Figure 2. Sol-Gel Coatings Segment by Application
- Figure 3. Dangequojia Sol-Gel Coatings Market Overview: 2020
- Figure 4. Key Caveats
- Figure 5. Sol-Gel Coatings Market Size in France, (US\$, Mn) & (K Gal): 2020 VS 2026
- Figure 6. France Sol-Gel Coatings Revenue, 2015-2026 (US\$, Mn)
- Figure 7. Sol-Gel Coatings Sales in France: 2015-2026 (K Gal)
- Figure 8. The Top 3 and 5 Players Market Share by Sol-Gel Coatings Revenue in 2019
- Figure 9. By Type - France Sol-Gel Coatings Incremental Growth, (US\$, Mn), 2015-2026
- Figure 10. By Type - France Sol-Gel Coatings Market Share, 2015-2020
- Figure 11. By Type - France Sol-Gel Coatings Market Share, 2020-2026
- Figure 12. By Type - France Sol-Gel Coatings Price (USD/Gal), 2015-2026
- Figure 13. By Application - Sol-Gel Coatings Revenue in France (US\$, Mn), 2020 & 2026
- Figure 14. By Application - France Sol-Gel Coatings Market Share, 2015-2020
- Figure 15. By Application - France Sol-Gel Coatings Market Share, 2020-2026
- Figure 16. By Application -France Sol-Gel Coatings Price (USD/Gal), 2015-2026
- Figure 17. France Sol-Gel Coatings Production Capacity (K Gal), 2015-2026
- Figure 18. France Sol-Gel Coatings Actual Output (K Gal), 2015-2026
- Figure 19. France Sol-Gel Coatings Production Value (US\$, Mn), 2015-2026
- Figure 20. The Percentage of France Sol-Gel Coatings Export Destination, 2019
- Figure 21. The Source of Imports of France Sol-Gel Coatings, 2019
- Figure 22. PEST Analysis for France Sol-Gel Coatings Market in 2020
- Figure 23. Sol-Gel Coatings Market Opportunities & Trends in France
- Figure 24. Sol-Gel Coatings Market Drivers in France
- Figure 25. Sol-Gel Coatings Market Restraints in France
- Figure 26. Sol-Gel Coatings Industry Value Chain

I would like to order

Product name: Sol-Gel Coatings Market in France - Manufacturing and Consumption, Outlook and Forecast 2020-2026

Product link: <https://marketpublishers.com/r/SBAA910C153DEN.html>

Price: US\$ 2,700.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SBAA910C153DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

