

The IMFORMED Crossword Puzzle no.1

Test your knowledge of industrial minerals & markets



We hope you found the puzzle entertaining | Please let us know what you thought

Please send your completed puzzle (as PDF or image) to mike@imformed.com

All correct entries receive a free PDF of our **Mineral Market Matrix**® Wall Chart and a chance to win in the prize draw a bottle of fine malt whisky to be presented at the next IMFORMED Forum the winner attends.

Solutions & Draw to take place one week after puzzle publication

The judges' decision is final.

Across

2. Mineral product of sponsor US Western series "Death Valley Days" (5)
8. Key proppant property (10)
11. Common impurity in fluorspar (7)
12. Chemical formula for carborundum; unwell (3)
13. Asian country producer of silicon carbide (6)
14. Greenland mineral for glass recently in production (11)
15. Scots isle from which key refractory compound name derived (4)
17. New bauxite mine opened 2020 in which country ex-China (6)
19. Synthetic spinel comprises alumina and (8)
21. In which form is vermiculite used in horticulture 10)
24. Particle size index for minerals in coatings (6)
26. Mineral unique to Utah, similar in Iran (9)
28. Location of world's largest barite mine (9)

Down

1. Term for sintered dolomite (6)
3. Substitute for bauxite in certain refractory uses (10)
4. New Imerys CEO was in charge of which former Imerys division (5,8)
5. Standard abrasive grain size classification acronym (4)
6. Fused alumina furnace type (7)
7. Keynote speaker at IMFORMED Rendezvous 2021 (7)
9. FOB, CIF, EXW, etc. (9)
10. Distinctly shaped white mineral for ceramics, plastics, named after English crystallographer (12)
16. Location of operating hard rock lithium mineral producer (6)
18. Critical mineral in beer & wine making (9)
20. Board of natural alumina? (5)
22. Rio Tinto divested which world leading mineral business in 2011 (4)
23. Type of Chinese bauxite kiln (6)
25. Chinese magnesia producing province (5)
27. Major mineral producer recently acquired by refractory leader Refratechnik (4)