



Independence underpins SRK's lead in reports ranking

AS THE WORLD'S LEADING author of mineral resource and reserve estimation reports, SRK Consulting will again join project champions and dealmakers at the 2019 Investing in African Mining Indaba in Cape Town to promote sustainable growth in mining. With a global network of over 40 offices staffed by experienced engineers and scientists, SRK heads the RSC Mineral Intelligence ranking of the 25 top practices generating these reports; the documents are arguably the bedrock of geological and related data on which the international mining industry is founded. According to the ranking, SRK has produced over 150 resource estimation reports since 2014, and over 50 reserve estimation reports.

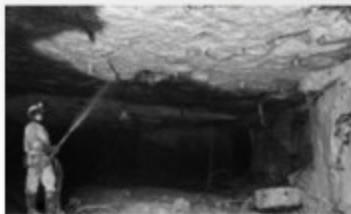
Formed in South Africa in 1974, the company today provides high-quality technical studies and services for clients active in Africa and worldwide, including

major players based in Canada, the UK, the US and Australia.

"Our leading position has been built as much on our independence and integrity as on our highly regarded expertise and professionalism," says Andrew van Zyl, partner and principal consultant at SRK Consulting. "We have no equity investments, take no equity as payment and are not involved in the construction of plant or sale of equipment – all as part of our focus on being as independent as possible." He went on to highlight the ongoing importance of addressing technical risk in every aspect of the mining project life cycle.

"While political and regulatory risk is always a concern in the mining sector, I would argue that the technical risk remains generally more important in the life of most mining projects," says Van Zyl. "It is no simple matter to find suitably experienced

people to study, plan and implement a mineral project in a remote region of Africa, for instance." If the right technical skills and sources of good advice were in place, however, many of the broader internal and external risks could be effectively managed. According to Mining Journal's recent *World Risk Report*, the average risk rating for the mining sector in Africa showed a slight improvement in 2018; on average, the continent is still considered less risky for mining investment than Asia. **35**



Concrete for mining applications

MINES HAVE PARTICULAR LOGISTICAL, safety and environmental requirements that need to be considered when designing concrete and this is in addition to meeting demanding performance specifications. Among the global leaders in concrete admixtures, Chryso understands this and has an extensive product offering to meet varying operating conditions.

In addition to experience in designing shaft lining concrete, the company has the expertise to formulate high-flow, highly accelerated concrete that can be transported through slick lines. This expertise also encompasses providing solutions for shotcreting, thin-skin liners, tailings grout support and backfill.

Driven by the advances in admixture technology, the use of sprayed concrete as a temporary and permanent support element on mines has increased significantly in recent decades. Proprietary admixtures control the workability of concrete and create longer open times. They also lower cement-to-water ratios, improve early or late strength development, and reduce rebound.

Used extensively on copper, gold, platinum and diamond mines, the Chryso Jet range of accelerators ensures early hydration of concrete. It also allows the concrete to be formulated to suit the size of the shotcrete machine, as well as shotcrete thickness. To reduce rebound and improve early strength in dry shotcrete, Chryso HFB Powder

Chryso's market-leading expertise has made it the first supplier to develop the use of tailings shotcrete and concrete to help alleviate mines' logistical issues

assists with bonding in wet conditions. Chryso's market-leading expertise has made it the first supplier to develop the use of tailings shotcrete and concrete to help alleviate mines' logistical issues. Now, the bulk of the material can be pumped over long distances and stored before being sprayed. **35**

INDEX TO ADVERTISERS

| | | | | | |
|-----------------------------|----|----------------------|----|-----------------------|----------|
| 10th Annual Women in Mining | 15 | Grundfos | 4 | Old Mutual | 24 |
| Babcock – Volvo CE | 20 | Kal Tire | 34 | SBS Tanks | 08C |
| ELB Equipment | 30 | KSB Pumps and Valves | 28 | Solar Mining Services | 10 & 18C |
| Epiroc | 26 | Mather+Platt | 16 | WorleyParsons | 35 |
| ERWAT | 18 | Mining Indaba | 2 | thyssenkrupp | Gatefold |