

**Coatings for Tanks and Pipelines:**

**Internal coating of slug catcher pipelines for the extraction of natural gas**

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During the extraction process, natural gas is very humid and therefore highly corrosive. Due to the high pressure and absorbed stones, extreme abrasion occurs on the internal walls of the whole pipeline system.

Moreover, the elevated temperature of the gas and the aggressiveness of the containing hydrogen sulfide demand an absolutely premium and resistant coating system for the internal lining of the gas conveyor plant. Our coating „Proguard CN-1M-LV3“ provides reliable and long-term protection against corrosion and abrasion.

**Project: Slug catcher in the „Sawan gas field“, the region of „Sindh“ in Pakistan:**

12-finger type, pipes with a length of 60 m and a diameter of 1,22 m each



**Technical Data:**

**Customer:** OMV (Pakistan) Exploration, Islamabad-Pakistan  
**Construction:** Descon Engineering Ltd., Lahore-Pakistan  
**Weight:** 1.150 Tonnen  
**Pressure of the gas:** 86 up to 129 bar  
**Temperature of the gas:** 55°C up to 110°C



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**Our Product:**

Proguard CN-1M-LV3



The conveying pipe extends in 12 pipelines in parallel, each with a diameter of 48 inch (1,22 m) and a length of 60 m. In these „fingers“ the volume expands and the gas reduces its velocity. Due to the lightly falling gradient of the pipes, debris and humidity settle in specific inlet and outlet headers and can be removed separately.

The internal coating of the huge slug catcher was conducted with our high-solid-product Proguard CN-1M-LV3.

This system shows a high mechanical hardness and an excellent chemical resistance against the hydrogen sulfide, which is contained in the natural gas.

Proguard CN-1M-LV3 is applied in 2-3 layers with a thickness of only 300 µm each by airless spraying method. Due to the fast curing a smooth construction and production flow is achieved.



**Are you searching for the ultimate corrosion protection for complex requirements?**

**Tell us your demand, we give you the solution!**