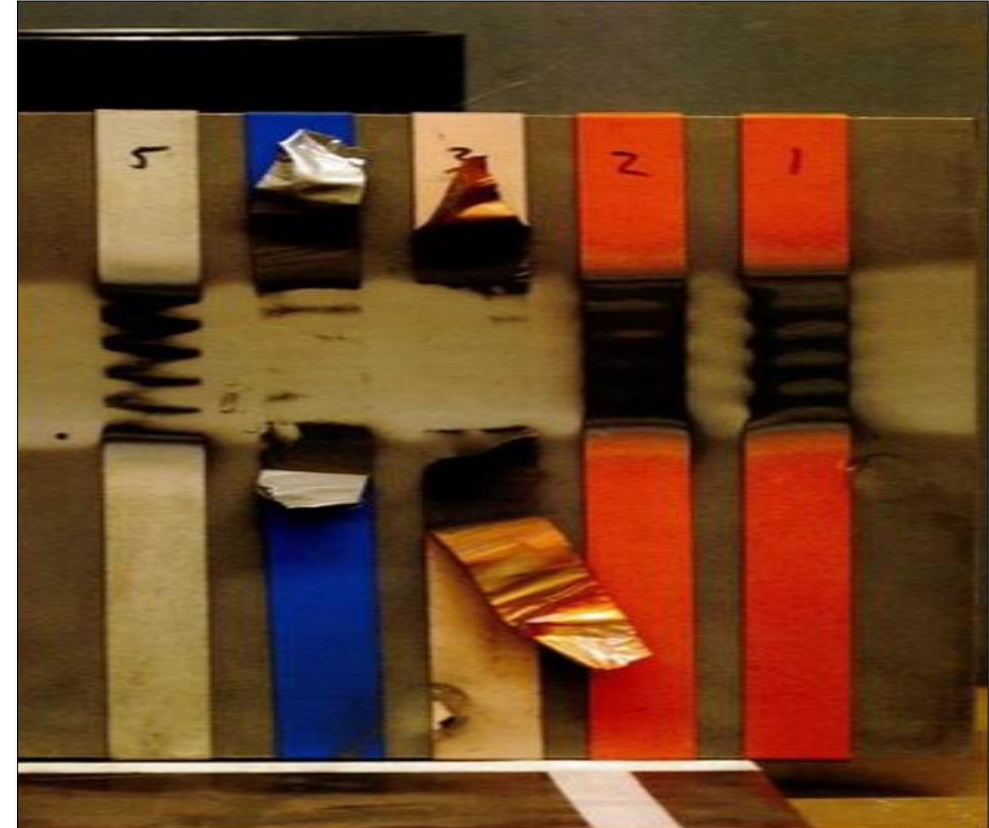


# Gaseous Fueled HVOF Masking

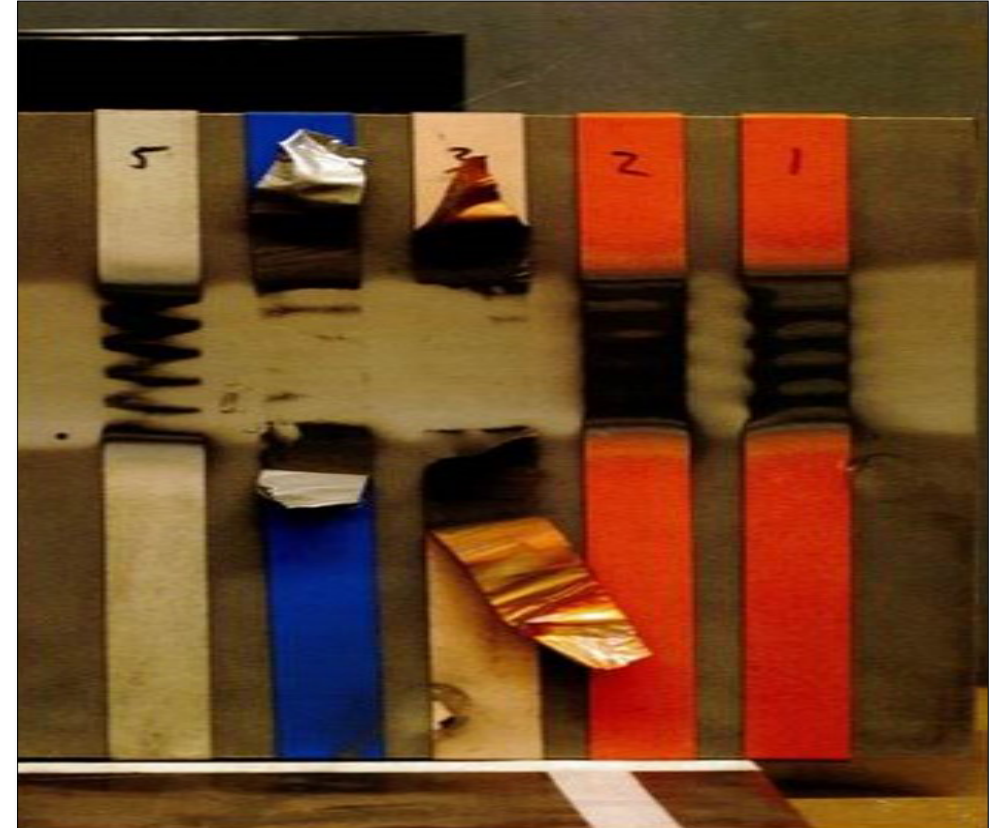
## Tape Failure

- Most tapes fail when used to mask against Gaseous-Fueled HVOF Spray
- High costs associated with damaged parts, rework, and repair
- Hard tooling options are costly
- Excessive taping may be used with additional sacrificial layers on top
- Results in high masking costs – materials and labour



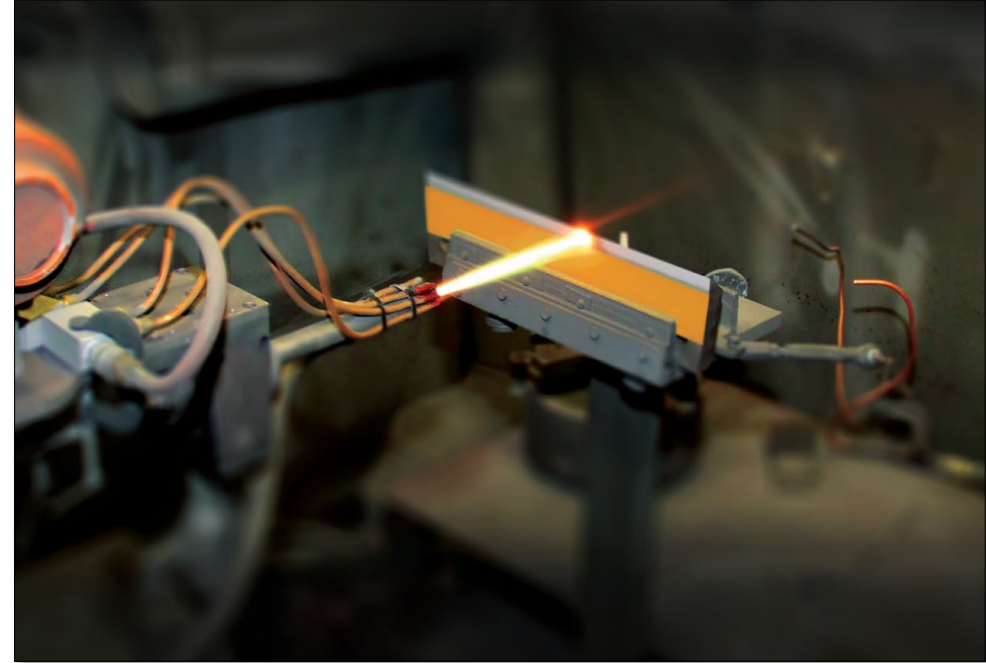
# CAUSE OF PROBLEM

- **High Abrasion** – most tapes cannot survive the abrasion of GF-HVOF (especially for carbide coatings)
- **Heat Transfer** – most tapes cannot resist the transfer of heat resulting in adhesive failure
- **Conformability** – most stronger tapes lack conformability which is crucial for a functional tape



## **Solution: HVMT Orange**

- Highly abrasive resistant
- Flame Retardant
- Self Extinguishing
- Highly conformable
- Strong adhesion to metal and to itself





## **HVMT Orange vs competitor's tape:**

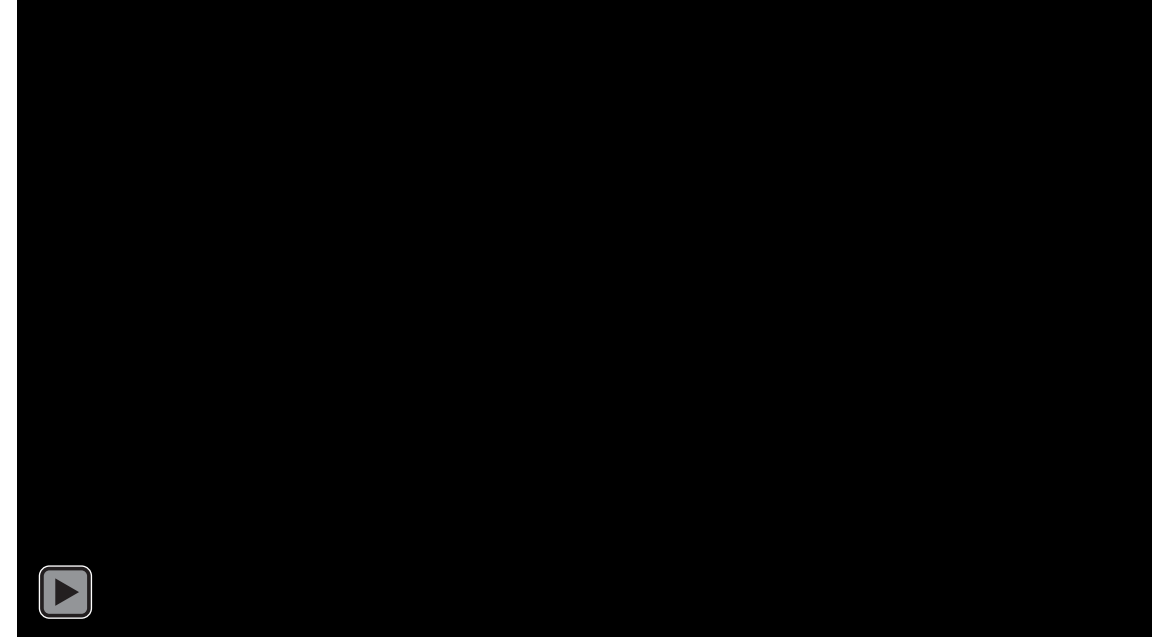
Equipment.....JetKote III GF-HVOF Torch

Coating .....Tungsten Carbide

Stand off.....9 inches

Air cooling .....Not engaged

Shaft Diameter.....1 ¼" diameter



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