

Permabond®
Engineering Adhesives

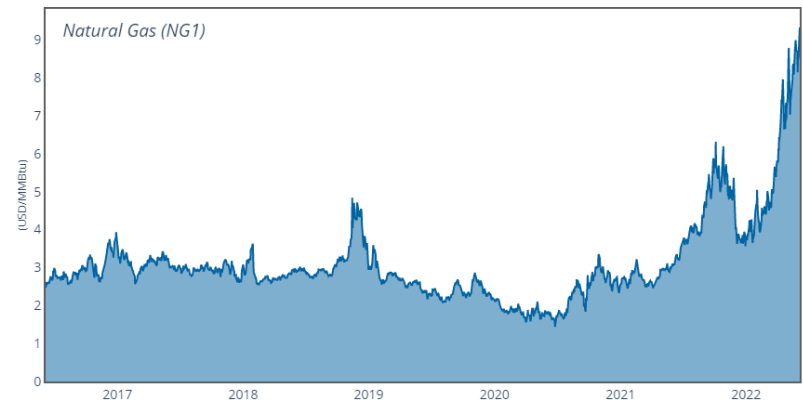


F201HV
Sealant for
Hydrogen



Transitioning to Hydrogen

- Strategies vary between countries
- Switching to hydrogen is now very high priority due to reliance on Russian gas sources
- Appliances, meters, pipelines and distribution networks require upgrading and making “hydrogen ready”
- Many governments considering a blend of Hydrogen and Natural gas as energy supply to homes and businesses



Facts about H₂

- Smallest molecule size = highest leak rate...
- Natural gas non-explosive above 15% concentration in air
- H₂ explosive up to 60% in air
- H₂ leak and explosion is much bigger



****Very important it doesn't leak****



F201HV Technical Information

Anaerobic high strength sealant

Rubber toughened

Kiwa approval for H₂ gas - Inorm KE214

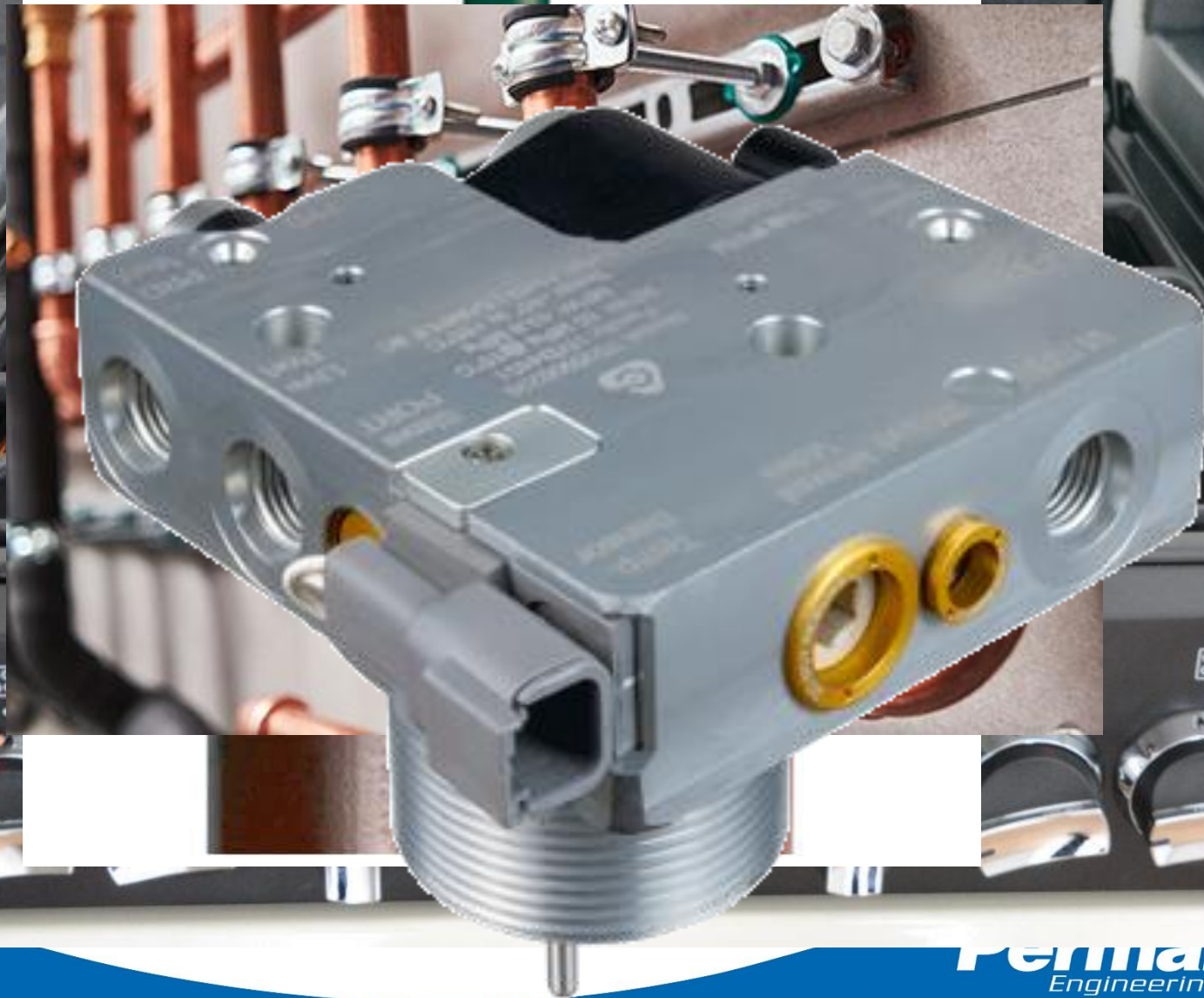
Suitable for threaded and concentric joints

Non-brittle

WRAS approved

F201 HV	Result
Appearance	Brown
Viscosity	2 rpm: 35,000 mPa.s 20 rpm: 5000 mPa.s
Maximum gap fill	0.3 mm
Maximum thread size	M50 1½"
Handling time (steel)	15 mins
Working strength (steel)	1 hour
Torque strength	Break 28 Nm Prevail 30 Nm
Shear strength	30 MPa
Service temperature	-55 to +100°C
Availability	10 x 50ml bottles 5 x 200ml bottles 1 x 2 litre bottles

Application examples



Action & Selling Points

- Seize the opportunity as this is the first sealant marketed directly as Hydrogen approved
- Post on internet, get marketing dept. involved
- Make sure you ask customers if they know if their sealant is hydrogen approved !
- Even if they are not interested in hydrogen, boiler and burner manufacturers still have applications for anaerobics – not a wasted call
- Country-specific leads have been prepared on USBs for you
- Flyer has been prepared (if you would like a translated version please liaise with our marketing team)
- Product available now

