

JANKEL

PROTECTION IS EVERYTHING

CAN YOUR CAVS HANDLE THE ROAD AS WELL AS A BULLET?

A new Publicly Available Standard will have some questions for up-armoured vehicles.

What good is armour if your vehicle is unsafe for the road? It's a widely held view that civilian armoured vehicle (CAV) drivers face more than a threat from a bullet. The extra armour on a vehicle can seriously undermine its manoeuvrability, handling and braking performance, leading to potentially catastrophic road collisions.

Ballistic standards exist to test the armour. They're carried out on armoured sheet plates. When this armoured plate is added to the vehicle, it substantially affects the weight and centre of gravity, which can have dramatic implications for the basic road-holding/safety performance of the vehicle.

That's why the new Publicly Available Standard (PAS) 301, due out at the end of 2016/ early 2017, has some questions to ask:

- Do your tyres have the correct weight ratings for the extra armour they're carrying? Are they under (or over) inflated? Are they in good enough condition to bear the extra load?
- Are your brakes up to the job of stopping a 4,000kg or more up-armoured mass of metal? Are your discs and pads rated for the vehicle weight? Do they face the pressures of stop-start traffic or the softer stops from speed on well-built roads?
- Have you considered that a heavier (and taller) up-armoured vehicle has a higher centre of gravity? And that you need to modify the suspension system - springs, shock absorbers and anti-roll bars included - to deal with added cornering roll forces and axle masses?
- Are your safety belts still functional after the interior has been stripped and returned?
- Does your vehicle handle sufficiently for urgent emergency manoeuvring requirements?

It's something Jankel already knows all about because we never send out a vehicle that's almost up to the task. And we'd like to help.

We've developed a simple on-line checklist to enable you to quickly assess if your current fleet meets the standard or not. It's free to download, takes minutes and gives you peace of mind on the important question of your unit's safety.



PAS 301

- This is a timely new Publicly Available Standard to check the roadworthiness of up-armoured vehicles
- It makes sure the weight & distribution of armour doesn't affect the required safety performance
- It ensures tyres, brakes, run flats and suspension can deal with the required accelerative forces on them
- And that your vehicles will perform in unfamiliar, busy areas and over rough terrain
- Our simple self-assessment checklist can reassure you that your CAV fleet should meet PAS 301 standards

It costs nothing to know your fleet is road safe, what to do if not, and what to look for in any new vehicles.

Download at www.jankel.com/PASchecklist

FAIL

- Did you know that the extra weight of armour and other equipment can make CAVs unsafe on roads?
- Did you know that there is no standard by which vehicle assessments are made after being up-armoured?
- Did you know that, in vulnerable areas, RTAs are (arguably) a bigger threat than a bullet?
- Did you know that, until now, although ballistic standards applied, road safety standards didn't?
- Do you want to know how your fleets measure up?

Download Jankel's free self-assessment checklist to find out.

**Unfamiliar with PAS 301 standards?
Get a free check from someone who isn't**