



**Office Tel. No. 0044 (0)1527 517885 - Technical Jonathan Hill 07896 623388**

Product data sheet: Information contained herein is based on careful investigation and is intended for information only. User is obliged to test the suitability of the products for their particular use. Supplier may change any specifications without notice.

## **BULLET X-tra HS Compliant Scratch Resistant**

### **Spot Hardener used with the Kelpie compliant clear**

**(used mainly for local/spot repairs )**

#### **A Product description**

A compliant quick drying hardener, for small local repairs

#### **B) Product advantages**

Excellent durability and flexibility - gloss retention with no gloss drop - no colour distortion – application and curing within Air Dry at ambient temp 30 minutes Bake at 80 deg. 60 deg metal for 5 mins

#### **C) Technical characteristics**

**Composition Colour** - Water white - **Shelf life** 36 months in unopened container

**Pack size** - 500ml, 1lt and 2.5lt

#### **D) Surface preparation**

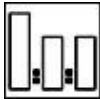
**Kelpie - 2-pack**, clear can be applied with the **Bullet X-tra Hardener** over Solvent and waterborne basecoats

#### **E) Health and safety**

**"For professional use only"**

**Important:** When using any NMS product, consult the **NMS Health and Safety**" data sheet. Always read the risks and precautions stated on the product label.

**F) Mixing ratio**      **2 Parts Kelpie Clear Coat - 1 part Bullet X-tra Hardener**



**Kelpie Clear Coat**

**Volume**  
100g

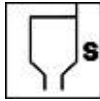
**Weight**  
100g

**BULLET X-tra Hardener**

50g

55g

**Note :** because of the low viscosity of Kelpie Wasser-Lacke , it aids the flow out of the 2:1 mix with the bullet hardener –



**G) Spraying viscosity using Kelpie Clear**

18 to 20 seconds BS cup 4 at 20°C – 14 seconds DIN4 cup @20 deg

Pot Life – 20 minutes 20 deg – **Note pot life varies with changes in Air Temperature and be reduced to 10 min only**



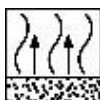
**I) Spraying recommendations using Kelpie clear with Bullet hardener**

Type of spray gun	HVLP Gravity	Divilbiss GTI	LVLP – Compliant Gun
	- Air cap 110 -		- Gravity feed -
Fluid tip (mm)	1.3 - 1.5	1.3	1.3 - 1.4
Pressure at the gun	0.7 bar at the air cap	2 – 2.5 bar	2 – 2.5 bar



**J) Application - The Kelpie clear with Bullet X-tra Hardener**

Number of coat	Flash off between coats	Total film build
2 coats only	<b>2 / 3 minutes</b>	55 microns



1 full ‘wet coat’ + 1 full wet coat - **After the 2<sup>nd</sup> coat, allow a further 2 minutes before curing by infrared lamps**

**Note:** **to obtain best results please ensure the 1<sup>st</sup> coat is NOT a mist or gripper coat**



**K) Drying times**

**BULLET X-tra** Activator - Cure for 5 minutes with infrared Lamps at 80 deg

. **Note: air dry** at 20 deg. within 30 minutes – Then the surface is suitable for outside Conditions. Note curing times can vary with varying Temperatures.

**L) Finishing process**

From the oven, allow to cool then wet flat and polish as required.

*Note: The above information is above is recommendation only and can vary with conditions*



**National Motor Supplies unit 72, Heming Road, Washford Industrial Estate, Redditch  
Worcestershire, B98 0EA Tel 0844 800 3634 email Christine@nationalmotorsupplies.co.uk**