

TECHNICAL DATA SHEET



TDS No:	021	Issue No:	1
Issue Date:	06/05/14		
Revision Date:	14/07/16		
Page No:	1 of 4		

PRODUCT

NovaBond Surface Primer

Description

NovaBond Surface Primer is a highly flammable solvent based cleaner and primer.

Typical Uses

NovaBond Surface Primer has been specifically designed for single process cleaning and priming of metals, low surface energy plastics and powder coated, painted, galvanized and chrome plated steel. It dramatically enhances bond strength with the NovaBond SignFix range of high strength bonding tapes although it is compatible with most technologically advanced acrylic adhesives.

Benefits

- Chemically alters the substrate surface to increase surface energy making it more receptive to adhesive bonding and resulting in much higher bond strength and temperature resistance.
- Requires no specialist equipment
- Fast Acting
- Easy to use

Methods of Application

- Care should be taken when opening these containers to release the pressure slowly.
- Remove any heavy contaminants such as dirt and excessive greases or oils with NovaBond Surface Cleaner following the instructions.
- Apply NovaBond Surface Primer using a clean, dry, lint-free cloth. Product should flash-off in around 10 seconds but dry any over-wet areas and we recommend leaving the surfaces for 5 minutes prior to bonding to allow the primer to act on the surface.
- Occasional skin contact with NovaBond Surface Primer should have no adverse effect. However, prolonged soaking or repeated contact is not recommended.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

TECHNICAL DATA SHEET



TDS No:	021	Issue No:	1
Issue Date:	06/05/14		
Revision Date:	14/07/16		
Page No:	2 of 4		

PRODUCT

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Typical Adhesive Characteristics

Chemical Base	Isopropanol with soluble aliphatic hydrocarbons
Odour	Alcoholic
Appearance	Slightly translucent colourless liquid
Flammability	Highly flammable flash point 11°C
Specific Gravity	0.83 @ 21°C
Kinematic Viscosity	2.38mm ² /s @ 21°C

Packaging

NovaBond Surface Primer is available in 250ml and 500ml bottles.

Storage

NovaBond Surface Primer will have a 24 month minimum shelf life stored between 5°C and 25°C

Health and Safety


This Technical Information Sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood NovaBond Surface Cleaner Material Safety Data Sheet.

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Innova Solutions Ltd and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the user's responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the user's responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

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TECHNICAL DATA SHEET

	TDS No:	021	Issue No:	1
	Issue Date:		06/05/14	
	Revision Date:		14/07/16	
	Page No:		3 of 4	
PRODUCT	NovaBond Surface Primer			

b) Chemical & Environmental Resistance

Chemical Agent	Exposure Time	Results
Water	1 month at 23°C	No effect
Lube Oil	24 hours at 23°C	No effect
Gasoline	30 min. at 23°C	No effect
Mineral Spirit	10 min. at 23°C	No effect
Toluene	1 min. at 23°C	No effect

Measured values in accordance with EN12899

c) Retro-reflectivity


Typical coefficient of Retro-reflection

Entrance angle	Observation angle	Red	Yellow	Green	Blue	White
degrees	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)
	20'	14	55	9	4	80
-4	33'	10	35	7	3	50
	1,0°	2	3	1	0.6	5
	20'	11	35	7	3	55
15	33'	8	20	5	2	45
	1.0°	1	2	0.8	0.3	3
	20'	6	22	3.5	1.5	30
30	33'	4	15	2.5	1	24
	1.0°	0.6	1.5	0.4	0.2	2

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TECHNICAL DATA SHEET

	TDS No:	021	Issue No:	1
	Issue Date:	06/05/14		
	Revision Date:	14/07/16		
	Page No:	4 of 4		
PRODUCT	NovaBond Surface Primer			

d) Colour Chromaticity

Standard D65 light source at observation condition of 45/0 at an angle of 2°

Colour	Colour Chromaticity								Luminance Factor
	X	Y	X	Y	X	Y	X	Y	
White	0.35	0.36	0.3	0.31	0.285	0.325	0.355	0.375	>0.27
Yellow	0.545	0.454	0.464	0.534	0.427	0.483	0.487	0.423	0.16-0.4
Red	0.69	0.31	0.658	0.342	0.569	0.341	0.595	0.315	0.03-0.1
Green	0.007	0.703	0.026	0.399	0.177	0.362	0.248	0.409	0.03-0.1
Blue	0.078	0.17	0.137	0.038	0.21	0.16	0.15	0.22	0.01-0.1

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