

TEST REPORT FOR AS/NZS 4020:2002

CLAUSE 6.3 - APPEARANCE OF WATER EXTRACT

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA
(NATA Accreditation No. 1115)

REPORT NUMBER 4007/92.1771

SAMPLE REFERENCE 130393-0002

DATE 30/09/2005

PRODUCT DESIGNATION NOVUS 34 SHEETING.

COMPOSITION OF PRODUCT COMPRESSED NON-ASBESTOS FIBRE GASKET MATERIAL
CONSISTING OF INERT FILLERS AND SYNTHETIC FIBRES BONDED
WITH ACRYLONITRILE / BUTADIENNE RUBBER.

PRODUCT MANUFACTURER NOVUS SEALING LIMITED, HUNSWORTH LANE, CLECKHEATON,
WEST YORKSHIRE, UNITED KINGDOM.

SUBMITTING ORGANISATION NOVUS SEALING PTY LTD, VINNICOMBE DRIVE, CANNING VALE, WA.

USE OF PRODUCT AN ELASTOMER BONDED GASKET MATERIAL INTENDED FOR USE AS
A SEALING MATERIAL BETWEEN FLANGES IN THE FORM OF SHEETS
OR CUT GASKETS.

DESCRIPTION OF SAMPLE The sample consisted of a panel with dimensions 40 mm x 25 mm providing a
total surface area of 1000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of 50 mg/L hardness water.

EXTRACTION TEMPERATURE 85 ± 2°C

TEST METHOD AS/NZS 4020:2002 APPEARANCE OF WATER EXTRACT
(APPENDIX D AND J)

SCALING FACTOR Not applied.

RESULTS

Final Extract

	Test (- Blank)	Maximum Allowed	
Colour	1	5.0	HU
Turbidity	0.26	0.5	NTU

EVALUATION

The mean value of the test extracts obtained minus the blank passed the requirements of clause 6.3 when tested at an exposure of 1000 mm² per Litre.

NUMBER OF SAMPLES One sample tested.


APPROVED SIGNATORY

Phil Thomas
Senior Chemist

TEST REPORT FOR AS/NZS 4020:2002

CLAUSE 6.4 - GROWTH OF AQUATIC MICRO-ORGANISMS

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA
(NATA Accreditation No. 1115)

REPORT NUMBER 4007/92.1771

SAMPLE REFERENCE 130393-0002

DATE 30/09/2005

PRODUCT DESIGNATION NOVUS 34 SHEETING.

COMPOSITION OF PRODUCT COMPRESSED NON-ASBESTOS FIBRE GASKET MATERIAL
CONSISTING OF INERT FILLERS AND SYNTHETIC FIBRES BONDED
WITH ACRYLONITRILE / BUTADIENNE RUBBER.

PRODUCT MANUFACTURER NOVUS SEALING LIMITED, HUNSWORTH LANE, CLECKHEATON,
WEST YORKSHIRE, UNITED KINGDOM.

SUBMITTING ORGANISATION NOVUS SEALING PTY LTD, VINNICOMBE DRIVE, CANNING VALE, WA.

USE OF PRODUCT AN ELASTOMER BONDED GASKET MATERIAL INTENDED FOR USE AS
A SEALING MATERIAL BETWEEN FLANGES IN THE FORM OF SHEETS
OR CUT GASKETS.

DESCRIPTION OF SAMPLE The sample consisted of a panel with dimensions 40 mm x 25 mm providing a
total surface area of 1000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of test water.

EXTRACTION TEMPERATURE 30 ± 1°C

TEST METHOD AS/NZS 4020:2002 GROWTH OF AQUATIC MICRO-
ORGANISMS (APPENDIX E)

INOCULUM The volume of inoculum was 100 mL.

SCALING FACTOR Not applied.

RESULTS

Mean Dissolved Oxygen	Control	7.4	mg/L
Mean Dissolved Oxygen Difference	Positive Reference	5.4	mg/L
	Negative Reference	< 0.1	mg/L
	Test	0.1	mg/L

EVALUATION

The Mean Dissolved Oxygen Difference in the extracts did not exceed the maximum allowed. Accordingly the product passed the requirements of clause 6.4 at an exposure of 1000 mm² per Litre.

NUMBER OF SAMPLES One sample tested.



APPROVED SIGNATORY

Phil Thomas
Senior Chemist

TEST REPORT FOR AS/NZS 4020:2002

CLAUSE 6.5 – CYTOTOXIC ACTIVITY OF WATER EXTRACT

TESTING LABORATORY	AUSTRALIAN WATER QUALITY CENTRE HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA (NATA Accreditation No. 1115)	
REPORT NUMBER	4007/92.1771	
SAMPLE REFERENCE	130393-0002	
DATE	30/09/2005	
PRODUCT DESIGNATION	NOVUS 34 SHEETING.	
COMPOSITION OF PRODUCT	COMPRESSED NON-ASBESTOS FIBRE GASKET MATERIAL CONSISTING OF INERT FILLERS AND SYNTHETIC FIBRES BONDED WITH ACRYLONITRILE / BUTADIENNE RUBBER.	
PRODUCT MANUFACTURER	NOVUS SEALING LIMITED, HUNSWORTH LANE, CLECKHEATON, WEST YORKSHIRE, UNITED KINGDOM.	
SUBMITTING ORGANISATION	NOVUS SEALING PTY LTD, VINNICOMBE DRIVE, CANNING VALE, WA.	
USE OF PRODUCT	AN ELASTOMER BONDED GASKET MATERIAL INTENDED FOR USE AS A SEALING MATERIAL BETWEEN FLANGES IN THE FORM OF SHEETS OR CUT GASKETS.	
DESCRIPTION OF SAMPLE	The sample consisted of a panel with dimensions 40 mm x 25 mm providing a total surface area of 1000 mm ² per Litre. Extracts were prepared using 1000 mL volumes of 50 mg/L hardness water.	
EXTRACTION TEMPERATURE	85 ± 2°C	
TEST METHOD	AS/NZS 4020:2002	CYTOTOXIC ACTIVITY OF WATER EXTRACT (APPENDIX F AND J)
SCALING FACTOR	Not applied.	
RESULTS	Confluent growth of regularly-shaped cells was observed in the containers with the negative control and test extracts. Cell death was observed in the positive control.	
EVALUATION	No cytotoxic response was detected; accordingly the product passed the requirements of clause 6.5 relating to cytotoxic activity when tested at an exposure of 1000 mm ² per Litre.	
NUMBER OF SAMPLES	One sample tested.	


APPROVED SIGNATORY

Stella Fanok
Technical Officer